2013

Minnesota Chemicals of High Concern Report

Minnesota Department of Health

Toxic Free Kids Program

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About This Report
This report and the 2013 update of the Minnesota Chemicals of High Concern list (CHC) were completed by the Toxic Free Kids (TFK) program. Through the TFK program, the Minnesota Department of Health (MDH) is working to identify and communicate the potential for hazardous chemical exposures which could be harmful to human health, particularly to vulnerable or susceptible populations, such as children and pregnant women. The TFK program is housed in the Health Risk Assessment Unit within the Environmental Health Division at MDH. The TFK program works on updating and reviewing the CHC and Priority Chemical (PC) lists established by Minnesota statute, nominating chemicals for development of health based guidance values within other MDH programs such as the Contaminants of Emerging Concern (CEC) program, and is involved in risk communication efforts. The TFK program supports the MDH mission to protect, maintain, and improve the health of all Minnesotans.

This 2013 TFK program report describes the review and revision of the CHC list since it was first published in 2010. This document lists chemicals added and excluded from the 2013 CHC list and includes web links to the full 2013 CHC list. In addition, this document includes an update on a second list, the PC list. MDH also describes TFK program plans for future actions regarding this Minnesota statute. This document concludes with a brief update on the status of other states with similar chemical legislation which were integral in the original formation of the Minnesota 2010 CHC list.

Minnesota Department of Health

Environmental Health Division--Health Risk Assessment Unit--Toxic Free Kids Program

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Acronyms and Abbreviations

ATSDR	Agency for Toxic Substances and Disease Registry
BCF	Bioconcentration Factor
BBP	Butyl benzyl phthalate
BPA	Bisphenol A
CA EPA	California Environmental Protection Agency
CAL Prop 65	California Proposition 65 (under CA EPA)
CDR	Chemical Data Reporting (under EPA)
CEC	Chemicals of Emerging Concern (under MDH)
ChAMP	Chemical Assessment and Management Program (under EPA)
CHC	Chemicals of High Concern (States of Minnesota and Maine)
CHCC	Chemicals of High Concern for Children (State of Washington)
ChV	Chronic Value
COC	Chemicals of Concern (States of Maine and California)
CSPA	Children's Safe Product Act (under State of Washington)
DBP	Dibutyl phthalate
decaBDE	Decabromodiphenyl ether
DEHP	Di (2-ethylhexyl) phthalate
DfE	Design for the Environment (under EPA)
EC	European Commission
EC_{50}	Effective Concentration 50
EPA	U.S. Environmental Protection Agency
ESIS	European chemical Substances Information System
EU	European Union
HB	House Bill
HBCD	Hexabromocyclododecane
HHS	U.S. Department of Health and Human Services
HPV	High Production Volume
HSDB	Hazardous Substances Data Bank (maintained by NLM)
IARC	International Agency for Research on Cancer (under WHO)
IRIS	Integrated Risk Information System (maintained by EPA)
LC_{50}	Lethal Concentration 50
LOAEC	Lowest Observed Adverse Effect Concentration
LOAEL	Lowest Observed Adverse Effect Level
LOEC	Lowest Observed Effect Concentration
Maine DEP	Maine Department of Environmental Protection
MDH	Minnesota Department of Health
MPCA	Minnesota Pollution Control Agency
NIH	U.S. National Institute of Health
NLM	U.S. National Library of Medicine
NOAEC	No Observed Adverse Effect Concentration
NOAEL	No Observed Adverse Effect Level
NOEC	No Observed Effect Concentration
NTP	U.S. National Toxicology Program
OECD	Organisation for Economic Co-operation and Development

Acronyms and Abbreviations Continued

OSPAR	Oslo and Paris Commission
OPPT	Office of Pollution Prevention and Toxics (under EPA)
PC	Priority Chemical (States of Minnesota and Maine)
PBT	Persistent, Bioaccumulative, and Toxic
PBiT	Persistent, Bioaccumulative, and inherently Toxic
REACH	Registration, Evaluation, Authorisation, & Restriction of Chemicals (under EU)
SIDS	Screening Information Data Set
TDCPP	tris(1, 3-dichloro-2-propyl)phosphate
TSCA	Toxic Substances Control Act (under EPA)
vPvB	very Persistent and very Bioaccumulative
WHO	World Health Organization

Executive Summary

The Minnesota Chemicals of High Concern (CHC) list was created by the Minnesota Department of Health (MDH) as a result of state legislation, Minnesota Statutes 116.9401 to 116.9407, which passed in 2009 (Minnesota Statutes 2012). The purpose of the CHC list is to identify chemicals which could be harmful to human or environmental health and specifically chemicals which are suspected carcinogens, reproductive or developmental toxicants, or persistent, bioaccumulative, and toxic or very persistent and very bioaccumulative.

The original CHC list was published in 2010 and contained 1,756 chemicals. From this CHC list a smaller chemical list, called the Priority Chemical (PC) list, was derived which consists of nine chemicals. The chemicals on the PC list meet the CHC requirements and are high production volume (HPV) chemicals (as identified by the U.S. Environmental Protection Agency (EPA)) that have been found, through sampling and analysis, to be in human tissue, the natural environment or the household environment.

Both the CHC list and PC list are dynamic lists and reviews and revisions of the lists are a continuous process. Part of the 2013 CHC list update included rapid evaluation of chemicals on the 2010 CHC list for the data needed to meet the Minnesota requirements for a CHC. The evaluation involved determining whether each chemical would be retained on the 2013 CHC list or flagged for further, in-depth review and possible 2013 CHC list exclusion. In particular, new data and updated models provided more information for evaluating the persistent, bioaccumulative and inherently toxic (PBiT), chemicals listed by Canada. As a result of the rapid evaluation of data and the PBiT chemical review, MDH excluded 57 chemicals from the 2013 CHC list that had been listed in 2010 CHC list (Appendix 1).

An update to the CHC list also included reviewing chemicals that could be added to the list. MDH monitors new toxicity literature as well as authoritative state, national, and international chemical hazard lists for chemicals which meet the Minnesota CHC requirements. Through this process MDH added 32 chemicals to the 2013 CHC list (Appendix 2). As a result of the removals and additions, the CHC list went from 1,756 chemicals in 2010 to 1,731 chemicals in 2013. There are around 260 chemicals on the 2013 CHC list that are flagged for further review in the coming year.

There is no change to the nine chemicals on the PC list. MDH is in the process of reviewing one candidate chemical and one candidate chemical group for potential PC list inclusion. The chemical is tris(1, 3-dichloro-2-propyl)phosphate (TDCPP) and the chemical group is nonylphenol including its ethoxylates (see Appendix 3 for CAS numbers). MDH is working with its state partners to assess the data for these candidate chemicals in a way that ensures consistency in priority chemical listing.

In early 2013 the U.S. Environmental Protection Agency (EPA) released the non-confidential 2012 Chemical Data Reporting (CDR) information which contains data for HPV chemicals (U.S. Environmental Protection Agency, 2013). This is the first update of HPV chemical data since the last reporting cycle in 2006. This most recent cycle of HPV chemical data reporting provides information for 7,674 chemicals which MDH is in the process of reviewing. Review of the latest HPV data could result in one of three outcomes for a CHC's HPV status: 1) no change, 2) added HPV status, or 3) removal of HPV status. The HPV status of a chemical on the CHC list is important because it affects the eligibility of a chemical for PC list consideration. Any changes in status will be reflected in the 2013 published list once MDH completes the HPV chemical review (see web link below).

Moving forward with chemical toxicity assessments, MDH will no longer use the chemical hazard guidelines of EPA's now defunct Chemical Assessment and Management Program (ChAMP) and will instead use EPA's Design for the Environment (DfE) Alternatives Assessment chemical hazard guidelines (U.S. Environmental Protection Agency, 2011). These guidelines provide a basis by which to assess and prioritize chemical hazards. This change is being made because it is more practical to use hazard guidelines of an active program (DfE). MDH chose to use the guidelines of the DfE program because the criteria ranges are agreed upon by other national and international organizations as being appropriate for chemical hazard identification (e.g. United Nation's Globally Harmonized System for the Classification and Labeling of Chemicals). The DfE Alternatives Assessment program contains similar hazard categories as ChAMP, which also allows for a smooth transition.

MDH monitors the status of chemical legislations across the country to understand the similar actions being taken by other states and to gather information on the direction of chemical policies within the United States. MDH closely monitors chemical hazard laws of the states of Maine and Washington because of similar legislation and mandates to that of Minnesota's. Currently the states of California, Oregon and North Carolina are attempting to pass related chemical hazard legislation.

The updated 2013 CHC list and this report are published to the MDH website and can be found here: http://www.health.state.mn.us/divs/eh/hazardous/topics/toxfreekids/index.html. Future updates and revisions will also be published to this MDH website. To receive notifications of MDH activity related to this legislation the public can sign up for GovDelivery e-mails at the above web link as well.

Minnesota Chemicals of High Concern Report

Legislative Background

In 2009 state legislation was passed related to concerns about potentially hazardous chemicals being found in consumer products, especially those intended for children. This legislation requires the Minnesota Department of Health (MDH), in consultation with the Minnesota Pollution Control Agency (MPCA), to create and maintain two lists of chemicals. The first list, called the Chemicals of High Concern, is defined in Minnesota Statutes 2012, 116.9401:

> (e) "Chemical of high concern" means a chemical identified on the basis of credible scientific evidence by a state, federal, or international agency as being known or suspected with a high degree of probability to:
> (1) harm the normal development of a fetus or child or cause other developmental toxicity;
> (2) cause cancer, genetic damage, or reproductive harm;
> (3) disrupt the endocrine or hormone system;
> (4) damage the nervous system, immune system, or organs, or cause other systemic toxicity;
> (5) be persistent, bioaccumulative, and toxic; or
> (6) very persistent, and very bioaccumulative.

The statute notes in Minnesota Statutes 2012, 116.9402:

> (c) The department shall consider chemicals listed as a suspected carcinogen, reproductive or developmental toxicant, or as being persistent, bioaccumulative, and toxic, or very persistent and very bioaccumulative by a state, federal, or international agency. These agencies may include but are not limited to, the California Environmental Protection Agency, the Washington Department of Ecology, the United States Department of Health, the United States Environmental Protection Agency, the United Nation's World Health Organization, and European Parliament Annex XIV concerning the Registration, Evaluation, Authorization, and Restriction of Chemicals.
>
> (d) The department may consider chemicals listed by another state as harmful to human health or the environment for possible inclusion in the list of chemicals of high concern.

MDH published the first Chemicals of High Concern list in July of 2010 on the MDH website at http://www.health.state.mn.us/divs/eh/hazardous/topics/toxfreekids/. The statute requires, in Minnesota Statutes 2012, 116.9402:

> (b) The department must periodically review and revise the list of chemicals of high concern at least every three years. The department may add chemicals to the list if the chemical meets one or more of the criteria in section 116.9401, paragraph (e).

2013 Chemicals of High Concern Update

MDH staff developing the Minnesota 2010 CHC list relied in part upon the state of Maine's original Chemicals of High Concern (CHC) list. The Maine statute is similar to that of Minnesota's statute and the original Maine CHC list was published in July of 2009, making it available before work on Minnesota's CHC list began. Maine's original CHC list contained a large number of chemicals (1739) and, given the relatively short time frame for the creation of Minnesota's CHC list, it was not possible to carefully review all chemicals on the Maine CHC list. This means that a large portion of the Maine CHC list was retained for the Minnesota 2010 CHC list (Minnesota Department of Health, 2010) without opportunity to verify that each chemical's profile adhered to the toxicity or persistence and bioaccumulative criteria adopted by MDH.

The update of the Minnesota CHC list involved reviewing each of the 1,756 chemicals on the 2010 list. The work on each chemical included a rapid evaluation of the data needed to meet the Minnesota requirements for a CHC. The result of this review was to either retain the chemical on the Minnesota CHC list or flag the chemical for additional, in-depth review. The same method was conducted while reviewing other authoritative lists and considering the inclusion of chemicals for the 2013 CHC list which were not on the 2010 CHC list.

For example, if a chemical was listed as persistent, bioaccumulative, and toxic (PBT) based on Maine's CHC list, staff found the papers or reports that Maine cited, read through the information, and decided whether the data met Minnesota's criteria for PBT (or other toxic endpoints). If staff determined that the criteria were met, the chemical stayed on the list. However if the data cited by Maine did not meet Minnesota's criteria or if no empirical data (measured or experimental data) could be found from the original source, then staff searched for and evaluated additional data, looking in data bases and the scientific literature for chemical data that might meet the Minnesota CHC criteria.

While the Maine CHC list was used as a starting point for the original Minnesota CHC list it was not the only source used. Other sources to identify potential chemicals for the 2010 CHC list included high production volume chemicals (HPV) named by the EPA; Priority Persistent Pollutants named by the Oregon Department of Environmental Quality; chemicals with non-cancer endpoints in the EPA Integrated Risk Information System (IRIS); Minnesota Health-Based Guidance for drinking water and air; and other sources named in Minnesota Statute 116.9402 (2012). Examples of sources used to evaluate a chemicals candidacy included but were not limited to:

- U.S. Department of Health and Human Services (HHS)
  - Agency for Toxic Substances and Disease Registry (ATSDR)
  - National Institutes of Health (NIH)
    - National Toxicology Program (NTP)
    - National Library of Medicine (NLM)
      - Hazardous Substances Data Bank (HSDB)
      - PubMed

- ChemID
- U.S. Environmental Protection Agency
  - Office of Pollution Prevention and Toxics (OPPT)
  - Integrated Risk Information System (IRIS)
  - High Production Volume Challenge Program
    - Hazard Characterization
    - Risk-Based Prioritizations
- California Environmental Protection Agency (CA EPA)
  - Office of Environmental Health Hazard Assessment
    - California Proposition 65 (CAL Prop 65)
- World Health Organization (WHO)
  - International Agency for Research on Cancer (IARC)
- European Commission (EC)
  - European chemical Substances Information System (ESIS)
- Organisation for Economic Co-operation and Development (OECD)
  - eChemPortal
- Government of Canada
  - Chemical Substances
  - Health Canada
  - Environment Canada

Chemicals with credible scientific data that met the CHC criteria were retained. If no data or inadequate data (not reliable or did not meet CHC criteria) was found then the chemical was flagged for exclusion from the 2013 CHC list.

During this round of review there was a particular focus on chemicals which were listed as PBT and had either the Canada persistent, bioaccumulative, and inherently toxic (PBiT) list or the Oslo-Paris (OSPAR) Commission as their source. Chemicals listed on the Canada PBiT list were more closely reviewed for two reasons: 1) Canada recently published more information about several of these chemicals under "The Challenge" program, allowing for a more in-depth review of this data set (Government of Canada, 2011). 2) Many chemicals on Canada's PBiT list were identified through modeled data which has since been updated.

MDH took the additional step of analyzing PBT data using an EPA model when it was apparent that the only data available for a chemical were modeled (estimated) PBT data. For example, MDH staff reviewed the information collected by Environment Canada for the PBiT chemicals and determined whether the PBT information was estimated or measured in a field or laboratory study. When only modeled (estimated) data were reported, staff validated the results by using the EPA's online PBT screening tool, PBT Profiler. This EPA-developed model predicts the potential for PBT activity based on the structure of the chemical. MDH used the most recently updated version of this EPA tool to check many of the Canada PBiT chemicals (U.S. Environmental Protection Agency, 2012). If PBT profiler indicated that a chemical was not expected to have PBT activity then the chemical was no longer considered PBT. The results of

the PBT model are predictive and are only used when experimental or measured data are not available.

The OSPAR Commission uses more inclusive PBT criteria than most other agencies or organizations, including the PBT criteria MDH uses from the EPA (Oslo-Paris Commission, 2002). Some chemicals classified by OSPAR as PBT would not be considered PBT by MDH. Table 1 provides an example of how the two sets of PBT criteria are different. Because of this discrepancy in PBT definitions, it was important to review chemicals with the OSPAR PBT source.

Table 1: Comparison of PBT Criteria

PBT Criteria		
	OSPAR	MDH[1]
Persistence (water and soil)	≥ 50 Days	60 – 180 Days
Bioconcentration Factor (BCF)	≥ 500	1000 - 5000
Toxicity	Acute[2]: ≤1.0 mg/L Chronic[3]: ≤0.1 mg/L	Acute[2]: >1 - 10 mg/L Chronic[3]: >0.1 - 10 mg/L

1: MDH 'Moderate' values. Values are categorized as low, moderate, or high by MDH
2: LC_{50} or EC_{50}
3: LOEC, NOEC, or ChV

Through this update and review process MDH identified 57 chemicals for exclusion from the 2013 CHC list (Appendix 1). A majority of these chemicals were excluded because modeled PBT data could not be validated. Chemicals were also removed because they were exempted by statute, new experimental data were available, or for other reasons (see appendix 1 for removal reasons).

The review of the CHC list includes considering if there are chemicals which should be added to the list. MDH monitors new toxicity literature as well as updates to state, national, and international agency lists. As a result MDH identified 32 chemicals to add to the 2013 CHC list (Appendix 2). These chemicals were found on authoritative state, national, and/or international chemical hazard lists and met the Minnesota CHC list requirements. The names of these organizations and the reviewed lists can be found in appendix 2.

After this review and update the total number of chemicals on the CHC list decreased from 1,756 in 2010 to 1,731 in 2013. The review and revision process of the CHC list (and PC list) is viewed as a dynamic and continuous process. There are around 260 chemicals on the 2013 CHC list that are flagged for further review in the coming year. New data and information will be considered for future list updates. Updates to the CHC list can be expected at least every three years as mandated in Minnesota Statutes 2012, 116.9402 (Minnesota Statutes 2012).

Work Plan

The following section describes some of the future work activities MDH plans for updating the CHC and PC lists. Activities include thoroughly reviewing the PC list, considering new candidate PC chemicals, evaluating CHC chemicals which have been flagged for further review, and reevaluating the status of high production volume chemicals using information recently released by EPA. MDH will also be updating the chemical hazard guidelines it uses while assessing and prioritizing chemical toxicity.

Priority Chemicals

The 2009 Minnesota legislation called for the creation of a Priority Chemical (PC) list. This list is built from the CHC list and is defined in Minnesota Statutes 2012, 116.9403 (Minnesota Statutes 2012):

> (a) The department, after consultation with the agency, may designate a chemical of high concern as a priority chemical if the department finds that the chemical:
>
> (1) Has been identified as a high-production volume chemical by the United States Environmental Protection Agency; and
>
> (2) Meets any of the following criteria:
> (i) The chemical has been found through biomonitoring to be present in human blood, including umbilical cord blood, breast milk, urine, or other bodily tissues or fluids;
> (ii) The chemical has been found through sampling and analysis to be present in household dust, indoor air, drinking water, or elsewhere in the home environment; or
> (iii) The chemical has been found through monitoring to be present in fish, wildlife, or the natural environment.
>
> (b) By February 1, 2011, the department shall publish a list of priority chemicals in the State Register and on the department's Internet Web site and shall update the published list whenever a new priority chemical is designated.

The original and current list of priority chemicals consist of the following nine chemicals:

- bisphenol A (BPA)
- butyl benzyl phthalate (BBP)
- dibutyl phthalate (DBP)
- di (2-ethylhexyl) phthalate (DEHP)
- decabromodiphenyl ether (decaBDE)
- hexabromocyclododecane (HBCD)
- lead

- cadmium
- formaldehyde

After creating the 2010 PC list, the TFK program nominated all nine chemicals to the MDH Contaminants of Emerging Concern (CEC) program. The CEC program reviews substances that have been released to, found in, or have the potential to enter Minnesota waters. The substances reviewed in this program also pose a real or perceived health threat, have new or changing health or exposure information, or do not have a Minnesota human health-based guidance value. Since their nominations, three of the nine priority chemicals have gone through a full CEC review. These three chemicals, BPA, BBP, and DBP, now have a Minnesota health-based guidance value for exposure from water ingestion. The CEC program is currently in the process of reviewing DEHP and the remaining priority chemicals are on the CEC nominations list for future consideration (for more information on the CEC program visit http://www.health.state.mn.us/cec).

MDH is in the process of reviewing other chemicals for PC list inclusion and will provide updates at a later time. Currently MDH is reviewing one candidate chemical and one candidate chemical group for addition to the PC list. The chemical is tris(1, 3-dichloro-2-propyl)phosphate (TDCPP) and the chemical group is nonylphenol including its ethoxylates (see Appendix 3 for CAS numbers). The term 'candidate chemical' is used purposefully to indicate that these chemicals are under consideration but have not at this time been added to the PC list. MDH is working with its state partners to assess the data for these candidate chemicals in a way that ensures consistency in priority chemical listing. MDH updates the PC list through publication on the MDH website at http://www.health.state.mn.us/divs/eh/hazardous/topics/toxfreekids/priority.html. Interested parties can monitor changes in the lists by visiting the web site and signing up to receive GovDelivery e-mail notices of new activities and postings.

High Production Volume Chemicals

A high production volume (HPV) chemical is a chemical that is manufactured or imported into the U.S. in quantities of one million pounds or more per year. Minnesota's statutory definition of a PC requires that the chemical be a HPV chemical named by the EPA. Because the PC list must be derived from the CHC list, HPV chemicals are reviewed for inclusion on the CHC list.

Under the U.S. Toxic Substances Control Act (TSCA), manufacturers or importers of a chemical in the quantity of 25,000 pounds or more per year must report to the EPA during what was called the Inventory Update Reporting (IUR) cycle, which occurred every four years. For the original publication of the 2010 CHC list, MDH retrieved IUR lists available from approximately the past 20 years, which included inventories for 1990, 1994, 1998, 2002, and 2006. Because HPV chemicals can vary over time and reviewing all the HPV chemicals of the past 20 years was impractical, MDH focused on chemicals that were listed on both the most recent inventory of the time, 2006, and on three of four remaining inventories from 1990-2002. After reviewing chemicals that fit these HPV criteria, as well as the health endpoint and hazard criteria of a CHC

chemical, 443 chemicals were designated as HPV on the 2010 CHC list. This HPV status is shown on the 2010 CHC list by an "x" in the HPV column.

In February of 2013 the EPA released the non-confidential 2012 Chemical Data Reporting (CDR) information (U.S. Environmental Protection Agency, 2013). The CDR replaces the IUR cycle and is the first update of chemical reporting on HPV information since the final IUR in 2006. The 2012 CDR provided information for 7,674 individual chemicals. MDH is in the process of reviewing the chemical information presented. MDH will also consider re-evaluating the HPV criteria established for the 2010 CHC list

While there is a large amount of information to analyze, MDH has confirmed that eight of the nine PCs are still reported as HPV chemicals in the 2012 CDR. One PC, HBCD, has production volume information withheld in the 2012 CDR. The annual production volume range was 10 million to 50 million pounds for each IUR cycle from 1994 through 2006. Without additional information, MDH will continue to consider HBCD to be a HPV chemical at this time. This means that none of the chemicals currently listed on the PC list will be removed as a result of a change in HPV status.

Moving forward, MDH will continue to review the 2012 CDR information to identify chemicals which meet the HPV criteria and may be considered for CHC and PC list inclusion(s). It is also possible that after reviewing the 2012 CDR data, chemicals currently listed on the 2013 CHC list as HPV will no longer meet the HPV criteria. When the review of this information is complete, MDH will update the HPV status (as indicated by an "x" in the HPV column) of any effected chemicals on the 2013 CHC list. This update will be posted on-line at the MDH website http://www.health.state.mn.us/divs/eh/hazardous/topics/toxfreekids/

Toxicity Criteria

The statutory criteria states that a CHC needs to be "known or suspected with a high degree of probability" to cause adverse health effects, or be a chemical that is PBT, or be very persistent and very bioaccumulative (vPvB). Because "high degree of probability" was not defined and because time and resources to develop a full process for chemical evaluation were limited in 2010, MDH relied on work already done by the EPA for determining likelihood of a chemical to cause harm. MDH used hazard guidelines established by the EPA's Chemical Assessment and Management Program (ChAMP). The ChAMP program developed guidelines based on lowest-observed-adverse-effect-level (LOAEL) from mammalian toxicity studies which classified chemicals into categories of "High", "Moderate", or "Low" toxicity. More information about ChAMP and why the ChAMP criteria were initially used can be found in MDH's 2010 publication on CHC list methodology or from the EPA (Minnesota Department of Health, 2010; U.S. Environmental Protection Agency, 2010).

Because the ChAMP program is no longer active at the EPA, MDH decided it is prudent to use hazard guidelines of an updated and active program. After reviewing process documentation of programs within the EPA, it was determined that MDH would use the hazard guidelines

established by the Design for the Environment (DfE) Alternatives Assessment program which has a framework and use similar to ChAMP. EPA's DfE program works to identify safer chemical alternatives that reduce the risk to people and the environment while still performing well and being cost effective.

DfE has developed the Alternatives Assessment Criteria for Hazard Evaluation to be used as a tool for evaluating and comparing chemicals based on their human health and environmental hazards (U.S. Environmental Protection Agency, 2011). Similar to ChAMP, DfE identifies hazard categories of "High", "Moderate", or "Low". DfE also includes a "Very High" or "Very Low" hazard category for some of the endpoints.

The DfE Alternatives Assessment program created a rigorous and useful system for comparing chemicals based on hazard criteria that could be used by other agencies and organizations. In developing the criteria, DfE used authoritative sources such as the United Nation's Globally Harmonized System (GHS) for the Classification and Labeling of Chemicals and other EPA programs such as the Office of Pollution Prevention & Toxics (OPPT) criteria for HPV chemical categorization (U.S. Environmental Protection Agency, 2011). The DfE program gave careful consideration to selecting the toxicity value ranges which would categorize a chemical within different hazard groups. These ranges and the included health endpoints are generally agreed upon by other national and international organizations as being appropriate for chemical hazard identification.

For example, the included health endpoints are those from the Screening Information Data Set (SIDS) used by the international organization, OECD, for assessing chemical hazards. Some of these health endpoints include reproductive and developmental toxicity, neurotoxicity, repeated dose toxicity, aquatic toxicity, and acute mammalian toxicity. All health hazard endpoints that MDH used in chemical classification under the ChAMP program are included in the DfE Alternatives Assessment criteria.

An area of difference between ChAMP and DfE is that the range of values for a health endpoint which would classify a chemical as 'Moderate' or of a greater hazard category in ChAMP has expanded for a few of the endpoints in DfE. One example of this is within the aquatic toxicity endpoint. Under ChAMP a chemical would have a moderate hazard designation for acute aquatic toxicity with a lethal concentration 50 (LC_{50}) or effective concentration 50 (EC_{50}) of >1-10 mg/L. Under the DfE Alternatives Assessment a chemical would have a moderate hazard designation for acute aquatic toxicity with an LC_{50} or EC_{50} of >10-100 mg/L (see table 2). For other health endpoints, the toxicity values within a hazard category are exactly the same (e.g., repeated dose toxicity criteria). The document detailing the DfE Alternatives Assessment criteria for hazard evaluation can be found at EPA's website for DfE (U.S. Environmental Protection Agency, 2011).

Table 2: Comparison of Hazard Category Ranges

Aquatic Toxicity Criteria				
	Acute LC_{50} or EC_{50} (mg/L)			
Guideline	**Very High**	**High**	**Moderate**	**Low**
ChAMP	N/A	≤ 1.0	> 1.0 - 10	> 10
DfE	< 1.0	1.0 - 10	> 10 - 100	> 100

As previously mentioned, this transition from ChAMP to DfE uses a broader range of toxicity values for certain health endpoint hazard classifications. Therefore a CHC previously reviewed by MDH using the ChAMP criteria would be in either the same hazard classification level under DfE or could have increased in hazard classification (from moderate to high). This means that chemicals will not need to be reviewed for a decrease in hazard level classification. No chemicals currently on the 2013 CHC list will need to be removed due to the use of the DfE Alternatives Assessment hazard guidelines. The change of guidelines from ChAMP to DfE does potentially increase the pool of chemicals which could be considered "Moderate" toxicity for some of the health endpoints (e.g., acute aquatic toxicity and acute mammalian toxicity).

Moving forward MDH will use these DfE Alternatives Assessment criteria as part of the process to determine if chemicals pose a potential health hazard qualifying them for the CHC list. MDH will consider all relevant routes of exposure including oral, inhalation, and dermal and will use the Lowest Observed Adverse Effect Level/Lowest Observed Adverse Effect Concentration (LOAEL/LOAEC) or the No Observed Adverse Effect Level/No Observed Adverse Effect Concentration (NOAEL/NOAEC) identified in published peer reviewed studies and/or authoritative agency reports to determine hazard categories. In a review process which includes conflicting data, a weight of evidence approach will be applied in making the hazard determination. Chemicals which fall into hazard categories of "Moderate", "High", or "Very High" will be considered for CHC list inclusion.

States Legislative Updates

In Minnesota, a bill that would have amended the current CHC and PC statutes was introduced in January of 2013. It would have added chemical reporting requirements for the Minnesota PC list similar to the reporting requirements of the state of Washington's Chemicals of High Concern to Children list (CHCC). However, this bill was not passed out of committee thus resulting in no change to the existing Minnesota statutes.

Two other bills involving chemicals on the PC list were passed into Minnesota law during the 2013 legislative session. The first bill (Senate File 357) bans the use of formaldehyde in certain products intended for children less than 8 years of age. The second bill (Senate File 379) prohibits the sale of baby food, infant formula, and toddler food stored in a container that contains bisphenol A. Copies of both bills can be found at the Minnesota State Legislature website by searching for the bill numbers in the 88th legislative session at https://www.revisor.mn.gov/bills/status_search.php?body=Senate.

The remainder of this section provides some brief updates to the status of the chemical lists for both Maine and Washington. This update is provided because both Maine and Washington have legislation that is similar to the Minnesota statute and both states' lists were used as starting points in the original creation of Minnesota's 2010 CHC list. There is also a brief update on proposed chemical legislation in other states for 2013.

Maine

Maine's 2009 law was amended in June of 2011. The amendment changed Maine's system from a two tiered system of prioritization to a three tiered system of prioritization. The three tiers in increasing level of prioritization are:

1. The Chemicals of Concern (COC) list;
2. The Chemicals of High Concern (CHC) list; and
3. The Priority Chemical (PC) list.

The newly created COC list is similar to Maine's 2009 CHC list but removes already regulated pesticides and pharmaceuticals, leaving a more focused list of approximately 1400 chemicals.

Another requirement of the amended law was to publish between 10 and 70 chemicals on the new CHC list. This new CHC list was published in July 2012 and is a subset of the COC list. For a chemical on the Maine COC list to be promoted to the Maine CHC list there needs to be strong evidence that the chemical is a developmental or reproductive toxicant, an endocrine disruptor, or human carcinogen (COC list criteria) and the chemical must meet one or more of the following:

- Through biomonitoring studies to be present in human blood, human breast milk, human urine or other bodily tissues or fluids;

- Through sampling and analysis to be present in household dust, indoor air or drinking water or elsewhere in the home environment; or
- To have been added to or is present in a consumer product used or present in the home.

This newly created CHC list has 49 chemicals. From this list the commissioner of the Maine Department of Environmental Protection (Maine DEP) can designate one or more of the chemicals on the CHC list as a priority chemical (PC). When a chemical is promoted to the PC list the Maine DEP has the authority to:

1. Require manufacturers to disclose use of the PC in certain consumer product categories;
2. Require an alternatives assessment of the PC (the only state currently implementing this authority); and
3. Recommend a state-wide sale prohibition based on information gathered in the first two items.

Currently the two chemicals listed on the Maine PC list are bisphenol A and nonylphenol (including its ethoxylates). More information on all three of Maine's chemical lists can be found at the Maine DEP website http://www.maine.gov/dep/safechem/index.html (Maine Department of Environmental Protection, 2011).

Washington

The state of Washington also has similar legislation to the Minnesota statute, called the Children's Safe Product Act (CSPA). However, unlike Minnesota and Maine, Washington has only one chemical list called the Chemicals of High Concern for Children (CHCC). The current Washington CHCC list contains 66 chemicals. Chemicals on this list are considered toxic and have been found in children's products or have been found to be present in human tissue. These criteria for the CHCC list make it similar to Maine's new 2012 CHC list and to Minnesota's PC list. All nine of Minnesota's PCs can be found on the Washington CHCC list.

The major area in which Washington's chemical legislation differs from that of Minnesota and Maine is that Washington has a reporting requirement associated with the CHCC list and the information collected is available on-line (Washington Department of Ecology, 2009). Final rules were adopted in July of 2011 which required manufacturers of children's products to report to the Washington Department of Ecology if their products contained any of the 66 chemicals on the CHCC list. The reporting timeline is staggered based on the size of the manufacturer and the intended use of the children's product. Thus, the first deadline to report was in August of 2012 with each subsequent round of reporting following in six month increments. As of the writing of this report Washington has published results on the first two rounds of manufacturer product reporting.

Washington's CHCC list is dynamic, just as Minnesota's and Maine's lists are, and may change as new information becomes available. Recently, Washington has initiated the process of adding a new chemical, tris(1, 3-dichloro-2-propyl)phosphate (TDCPP), to the CHCC list and removing n-butanol from the CHCC list. Both of these changes were in response to petitions under the State's Administrative Procedures Act. These changes to the CHCC list will likely be completed by November 2013. More information on Washington's CSPA as well as reporting information and data can be found at the Washington Department of Ecology website http://www.ecy.wa.gov/programs/swfa/cspa/ (Washington Department of Ecology, 2009).

Other States

As of the writing of this report, the states of California, Oregon, and North Carolina have proposed similar legislation.

California's proposed legislation, titled Safer Consumer Products regulations, would create two lists of hazardous chemicals titled Candidate Chemicals (CC) and Chemicals of Concern (COC). The COC list would be built from the CC list and would represent chemicals with particular hazard traits combined with exposure concerns. This regulation would then create a consumer products list, titled Priority Products, for certain consumer products containing COCs. Consumer products listed on the Priority Products list would be subject to alternatives analyses to limit exposure to the COC(s) contained within them as well as a possible regulatory response. The alternatives analysis is the key portion of this regulation that would set it apart from other state chemical laws. More information can be found at the California Department of Toxic Substances Control website (California Department of Toxic Substances Control, 2013).

Oregon's proposed legislation would create a list of "high priority chemicals of concern" for children's health. It would also require product reporting similar to that of the state of Washington's and includes a provision for eventual removal of high priority chemicals of concern from certain children's products. The House version of this bill was recently voted on and passed. More information can be found at the Oregon State Legislature website by searching for House Bill (HB) 3162 (Oregon State Legislature, 2013).

In North Carolina a bill has been proposed to study children's health and toxic chemicals. The bill (General Assembly of North Carolina House Bill 848) creates a joint legislative study committee to investigate ways to protect children from health impacts of potentially toxic chemicals which can be found in children's products. The study committee would also examine other federal and state laws which are intended to prevent children's exposure to toxic chemicals and determine a strategy for the state of North Carolina to identify "chemicals of high concern" and "priority chemicals". The North Carolina current definitions of "chemicals of high concern" and "priority chemicals" are similar to Minnesota's statutory definitions of the CHC and PC lists. The bill can be found at the North Carolina General Assembly website for House Bill (HB) 848 (North Carolina General Assembly, 2013-2014).

Summary

The review of the Minnesota CHC list is a continuous process which can result in chemical removals and additions to the list. This update to the Minnesota 2013 CHC list has resulted in 57 chemicals being excluded and 32 chemicals being added, changing the size of the CHC list from 1,756 chemicals in 2010 to 1,731 chemicals in 2013. Around 260 chemicals have been flagged for further review in the coming year.

Moving forward, MDH is in the process of reviewing one candidate chemical (tris(1, 3-dichloro-2-propyl)phosphate (TDCPP)) and one candidate chemical group (nonylphenol including its ethoxylates), for potential additions to the PC list. MDH is working with its state partners to assess the data for these candidate chemicals in a way that ensures consistency in priority chemical listing.

MDH is currently analyzing the EPA's recently released 2012 CDR data in order to review the HPV status of chemicals on the 2013 CHC list. Once this review is completed, HPV chemical status of CHCs will be updated on the MDH website at http://www.health.state.mn.us/divs/eh/hazardous/topics/toxfreekids/

MDH is now using the EPA's DfE Alternatives Assessment Program chemical hazard criteria when assessing and prioritizing chemical toxicity (U.S. Environmental Protection Agency, 2011). This program incorporates nationally and internationally agreed upon hazard criteria and health hazard endpoints. It will replace the EPA ChAMP guidelines which MDH had previously used in developing the 2010 CHC list.

MDH continues to monitor the status of chemical hazard legislation in other states. In particular, chemical hazard legislation of the states of Maine and Washington are monitored closely because of similar bill language and mandates to that of Minnesota's. MDH monitors the status of chemical legislations across the country to understand the similar actions being taken by other states and to gather information on the direction of chemical policies within the United States.

References

California Department of Toxic Substances Control. (2013). Safer Consumer Products (SCP) Retrieved April, 2013, from http://dtsc.ca.gov/SCPRegulations.cfm

Government of Canada. (2011). Challenge for Chemical Substances that are a High Priority for Action Retrieved January, 2013, from http://www.chemicalsubstanceschimiques.gc.ca/challenge-defi/index-eng.php

Maine Department of Environmental Protection. (2011). Safer Chemicals in Children's Products Retrieved March 19, 2013, from http://www.maine.gov/dep/safechem/index.html

Minnesota Department of Health. (2010). Minnesota Chemicals of High Concern List Methodology, from http://www.health.state.mn.us/divs/eh/hazardous/topics/toxfreekids/highconcern.html

Minnesota Statutes 2012, section 116.9401 to 116.9407. from https://www.revisor.mn.gov/statutes/?id=116.9401

North Carolina General Assembly. (2013-2014). House Bill 848 Retrieved May, 2013, from http://www.ncleg.net/gascripts/BillLookUp/BillLookUp.pl?Session=2013&BillID=H848

Oregon State Legislature. (2013). House Bill (HB) 3162 Retrieved April, 2013, from http://www.leg.state.or.us/mag/home.htm

Oslo-Paris Commission. (2002). The OSPAR List of Substances of Possible Concern Retrieved February, 2013, from http://www.ospar.org/content/content.asp?menu=00950304450000_000000_000000

U.S. Environmental Protection Agency. (2010). Chemical Assessment and Management Program: About Chemical Prioritizations Retrieved May 4, 2010, from http://www.epa.gov/champ/pubs/hpv/abouthpv.html

U.S. Environmental Protection Agency. (2011). Design for the Environment Program Alternatives Assessment Criteria for Hazard Evaluation Retrieved January 17, 2013, from http://www.epa.gov/dfe/alternatives_assessment_criteria_for_hazard_eval.pdf

U.S. Environmental Protection Agency. (2012). PBT Profiler Retrieved April, 2013, from http://www.pbtprofiler.net/default.asp

U.S. Environmental Protection Agency. (2013). Chemical Data Reporting Retrieved February 12, 2013, from http://www.epa.gov/oppt/cdr/index.html

Washington Department of Ecology. (2009). Children's Safe Product Act Retrieved March 20, 2013, from http://www.ecy.wa.gov/programs/swfa/cspa/

Appendix 1

Chemicals Excluded from the 2013 CHC List: Reasons for Removal

	Chemical Name	CAS Registry Number	Statute Exemption	Model Not Validated	Lacks Empirical Data	New Data
1	Testosterone and its esters	58-22-0	X[1]			
2	1,4-pentanediamine, N4-(6-chloro-2-methoxy-9-aziridinyl)-N1,N1-diethyl-, dihydrochloride	69-05-6	X[1]			
3	9H-Carbazole-3-carboxamide, N-(4-chlorophenyl)-2-hydroxy-	132-61-6		X[4]	X	
4	Diosgenin	512-04-9	X[1]			
5	2-Naphthalenol, 1-[(2-nitrophenyl)azo]- (C.I. Pigment Orange 2)	6410-09-9				X[5]
6	1-Naphthalenesulfonic acid, 4-hydroxy-3-[[4'-[(1-hydroxy- 5-sulfo-2-naphthalenyl)azo]-3,3'-dimethyl[1,1' -biphenyl]-4-yl]azo]-, disodium salt	6420-06-0		X[4]	X	
7	Spiro[isobenzofuran-1(3H),9'-[9H]xanthen]-3-one, 2',4',5',7'-tetrabromo-3',6'-dihydroxy- (D & C Red no. 21)	15086-94-9				X[5]
8	1-Nonanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-nonadecafluoro-, ammonium salt	17202-41-4		X[6]	X	
9	Benzoxazolium, 2-[3-[5,6-dichloro-1-ethyl- 1,3-dihydro-3-(3-sulfopropyl)-2H-benzimidazol-2 -ylidene]-1-propenyl]-3-ethyl-, hydroxide, inner salt	19163-98-5		X[4]	X	
10	Propanenitrile, 3-[[4-[(5,6-dichloro-2-benzothiazolyl) azo]phenyl]ethylamino]-	25176-89-0				X[5]
11	1H-Benzimidazolium, 5,6-dichloro-2-[3-(5,6-dichloro- 1,3-diethyl-1,3-dihydro-2H-benzimidazol-2-ylidene)-1-propenyl]-1-ethyl-3-(3-sulfobutyl)-, hydroxide, inner salt	28118-10-7		X[4]	X	

	Chemical Name	CAS Registry Number	Statute Exemption	Model Not Validated	Lacks Empirical Data	New Data
12	Benzenesulfonic acid, 4-[[3-[[2-hydroxy-3-[[(4-methoxyphenyl)amino]carbonyl]-1-naphthalenyl]azo] -4-methylbenzoyl]amino]-, calcium salt (2:1)	43035-18-3				X[5]
13	Ethanol, 2,2'-[[4-[(2,6-dibromo-4-nitrophenyl)azo]phenyl]imino]bis-, diacetate (ester) (EDD)	55619-18-6				X[5]
14	ß-Alanine, N-[4-[(2-bromo-6-chloro-4- nitrophenyl)azo]phenyl]-N-(3-methoxy-3-oxopropyl)-, methyl ester (Disperse Yellow Brown)	59709-38-5				X[5]
15	1-Propanaminium, 3-[[4-[(2,4-dimethylphenyl) amino]-9,10-dihydro-9,10-dioxo-1-anthracenyl]amino]-N,N,N-trimethyl-, methyl sulfate	60352-98-9		X[4]	X	
16	3-Pyridinecarbonitrile, 5-[(2-cyano-4-nitrophenyl) azo]-2-[(2-hydroxyethyl)amino]-4-methyl-6-[[3-(2 -phenoxyethoxy)propyl]amino]-	61799-13-1		X[4]	X	
17	3-Pyridinecarbonitrile, 5-[[2-chloro-4-(methylsulfonyl) phenyl]azo]-4-methyl-2,6-bis[[3-(2-phenoxyethoxy)propyl]amino]-	63281-10-7		X[4]	X	
18	3-Pyridinecarbonitrile, 5-[(2-cyano-4-nitrophenyl) azo]-6-[(2-hydroxyethyl)amino]-4-methyl-2-[[3-(2 -phenoxyethoxy)propyl]amino]- (Disperse Red)	63833-78-3		X[4]	X	
19	Glu-P-2 (2-Aminodipyrido[1,2-a:3',2'-d]imidazole)	67730-10-3	X[2]			
20	Glu-P-1 (2-Amino-6-methyldipyrido[1,2- a:3',2'-d]imidazole)	67730-11-4	X[2]			
21	1-Heptanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-, ammonium salt	68259-07-4		X[6]	X	

	Chemical Name	CAS Registry Number	Statute Exemption	Model Not Validated	Lacks Empirical Data	New Data
22	2,7-Naphthalenedisulfonic acid, 4-amino-5-hydroxy-6-[[4'- [(4-hydroxyphenyl)azo]-3,3'-dimethyl[1,1'-biphenyl]-4-yl]azo]-3-[(4-nitrophenyl)azo]-, disodium salt	68400-36-2		X[4]		
23	Propanenitrile, 3-[[2-(acetyloxy)ethyl][4- [(2-chloro-4-nitrophenyl)azo]-3-methylphenyl]amino]-	68516-64-3		X[4]	X	
24	Ethanamine, N-ethyl-N-hydroxy-, reaction products with hexamethylcyclotrisiloxane, silica and 1,1,1-trimethyl-N-(trimethylsilyl)silanamine	68583-58-4			X	X[5]
25	Siloxanes and Silicones, Me 3,3,3-trifluoropropyl, Me vinyl, hydroxy-terminated	68952-02-3			X	X[5]
26	1-Heptanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-, compd. with 2,2'-iminobis[ethanol] (1:1)	70225-15-9		X[6]	X	
27	1-Naphthalenamine, 4-[(2-bromo-4,6-dinitrophenyl) azo]-N-(3-methoxypropyl)-	70660-55-8		X[4]	X	
28	Siloxanes and Silicones, di-Me, hydrogen-terminated	70900-21-9				X[5]
29	2-Naphthalenesulfonic acid, 5-[[4-(4-cyclohexylphenoxy) -2-sulfophenyl]azo]-6-[(2,6-dimethylphenyl)amino]-4-hydroxy-, disodium salt	71720-89-3		X[4]	X	
30	2-Naphthalenecarboxylic acid, 4-[(5-chloro-4-methyl-2-sulfophenyl) azo]-3-hydroxy-, magnesium salt (1:1)	71832-83-2				X[5]
31	Benzenesulfonic acid, 3-[[4-amino-9,10-dihydro- 9,10-dioxo-3-[sulfo-4-(1,1,3,3-tetramethylbutyl)phenoxy]-1-anthracenyl]amino]-2,4,6-trimethyl-, disodium salt	72243-90-4				X[5]

	Chemical Name	CAS Registry Number	Statute Exemption	Model Not Validated	Lacks Empirical Data	New Data
32	1,3-Benzenedicarbonitrile, 2-[[4-[[2-(acetyloxy)ethyl] butylamino]-2-methylphenyl]azo]-5-nitro-	72828-64-9		X[4]	X	
33	1-Propanaminium, 3-[[9,10-dihydro-4-[(4-methylphenyl) amino]-9,10-dioxo-1-anthracenyl]amino] -N,N,N-trimethyl-, methyl sulfate	72828-93-4		X[4]	X	
34	Benzenamine, 4-[(2,6-dichloro-4-nitrophenyl) azo]-N-(4-nitrophenyl)- (DNAN)	72927-94-7				X[5]
35	2,4,10-Trioxa-7-azaundecan-11-oic acid, 7-[4-[(2,6-dichloro-4-nitrophenyl) azo]-3-methylphenyl]-3-oxo-, methyl ester	73003-64-2		X[4]	X	
36	3-Pyridinecarbonitrile, 5-[(9,10-dihydro-9,10-dioxo- 1-anthracenyl)azo]-2,6-bis[(2-methoxyethyl)amino]-4-methyl-	73398-96-6		X[4]	X	
37	Benzenesulfonic acid, oxybis[(1,1,3,3-tetramethylbutyl)-, dipotassium salt	75908-83-7		X[4]	X	
38	Butanamide, 2-[[3,3'-dichloro-4'-[[1- [[(2-chlorophenyl)amino]carbonyl]-2-oxopropyl]azo][1,1'-biphenyl]-4-yl]azo]-N-(2,4-dimethylphenyl)- 3-oxo-	78952-70-2		X[4]	X	
39	Benzenesulfonic acid, 2,2'-[(9,10-dihydro-5,8-dihydroxy- 9,10-dioxo-1,4-anthracenediyl)diimino]bis [5-(1,1-dimethylethyl)-, disodium salt (ADIBSS)	83006-67-1		X[4]	X	
40	1,7-Naphthalenedisulfonic acid, 6-[[2-(4-cyclohexylphenoxy) phenyl]azo]-4-[[(2,4-dichlorophenoxy)acetyl]amino]-5-hydroxy-, disodium salt	83027-51-4		X[4]	X	

	Chemical Name	CAS Registry Number	Statute Exemption	Model Not Validated	Lacks Empirical Data	New Data
41	1,7-Naphthalenedisulfonic acid, 6-[[2-(2-cyclohexylphenoxy) phenyl]azo]-4-[[(2,4-dichlorophenoxy)acetyl]amino]-5-hydroxy-, disodium salt	83027-52-5		X[4]	X	
42	Benzonitrile, 3-bromo-2-[[4-(diethylamino) -2-methylphenyl]azo]-5-methyl-	83249-49-4		X[4]	X	
43	3-Pyridinecarbonitrile, 5-[[2-chloro-4-(phenylazo) phenyl]azo]-2,6-bis[(3-methoxypropyl)amino]-4-methyl -	85392-21-8		X[4]	X	
44	Benzenesulfonic acid, 5-amino-2,4-dimethyl-, diazotized, coupled with diazotized 2,4-, 2,5-and 2,6-xylidine and 4-[(2,4-dihydroxyphenyl)azo]benzenesulfonic acid, sodium salts	90218-20-5		X[6]	X	
45	2,7-Naphthalenedisulfonic acid, 5-amino-4-hydroxy-3-[[6-sulfo- 4-[(4-sulfo-1-naphthalenyl)azo]-1-naphthalenyl]azo]-, diazotized, coupled with diazotized 4-nitrobenzenamine and resorcinol, potassium sodium salts	90459-02-2		X[6]	X	
46	phenol, nonyl-, manuf. of, by-products from, high-boiling	90481-05-3		X[6]	X	
47	[2,6'-Bibenzothiazole]-7-sulfonic acid, 2'-(4-aminophenyl)-6-methyl-, diazotized, coupled with diazotized 4-aminobenzenesulfonic acid and resorcinol, sodium salts	91696-90-1		X[6]	X	
48	Naphthalenesulfonic acid, reaction products with formaldehyde and hydroxybenzenesulfonic acid, ammonium salts	93384-84-0		X[6]	X	
49	Phenol, 4-[[2-methoxy-4-[(2-methoxyphenyl) azo]-5-methylphenyl]azo]- (MMMP)	93805-00-6				X[5]

	Chemical Name	CAS Registry Number	Statute Exemption	Model Not Validated	Lacks Empirical Data	New Data
50	Fatty acids, tallow, hydrogenated, [6-[bis(methoxymethyl)amino] -1,3,5-triazine-2,4-diyl]bis[[(methoxymethyl)imino]methylene] ester	103331-97-1	X[3]		X	
51	Fatty acids, tallow, hydrogenated, hexaesters with 2-[[[4-[[[2-hydroxy-1-(hydroxymethyl) ethoxy]methyl](hydroxymethyl)amino]-6 -[(hydroxymethyl)(methoxymethyl) amino]-1,3,5-triazi n-2-yl](methoxymethyl)amino]methoxy]-1,3-propanediol	103331-98-2	X[3]		X	
52	Formaldehyde, reaction products with branched nonylphenol and xylenol, ethoxylated	104376-69-4		X[6]	X	
53	Alkenes, C12-14, hydroformylation products, distn. residues, ethoxylated propoxylated, dihydrogen phosphates, sodium salts	113089-51-3		X[6]	X	
54	Formaldehyde, reaction products with sulfonated 1,1'-biphenyl and sulfonated terphenyl, sodium salts	113163-36-3		X[6]	X	
55	1-Naphthalenediazonium, 4-[[4-[(4-nitro-2-sulfophenyl) amino]phenyl]azo]-6-sulfo-, chloride, reaction products with formaldehyde and salicylic acid, ammonium sodium salts	114910-04-2		X[6]	X	
56	Alkenes, C12-14, hydroformylation products, distn. residues, ethoxylated, dihydrogen phosphates, sodium salts	119209-64-2		X[6]	X	
57	9,10-Anthracenedione, 1,4-bis[(4-methylphenyl)amino]-, sulfonated, potassium salts (AMS)	125351-99-7				X[5]

1: Pharmaceutical
2: Food
3: Biologic
4: EPA model (PBT Profiler) estimates not PBT
5: Chemical investigated under Canada's Challenge Program. New data indicates not PBT
6: Chemical structure can't be reliably modeled by EPA program for PBT estimation

Appendix 2

Chemicals Added to the 2013 CHC List

	Chemical Name	CAS Registry Number	Authoritative List	Toxicological Endpoint
1	triphenyltin (group)	No CAS	EU Category 1 Endocrine Disruptor[1]	Endocrine Disruptor
2	DDT, technical, p,p'DDT	50-29-3	EU Category 1 Endocrine Disruptor[1]	Endocrine Disruptor
3	methanol	67-56-1	Cal Prop 65[2]	Developmental
4	Formamide	75-12-7	REACH SVHC[3]	Reproduction
5	Chloral	75-87-6	IARC[4] 2A	Carcinogenic
6	Trichloroacetic acid	76-03-9	IARC[4] 2B	Carcinogenic
7	1,3-Dichloro-2-propanol (1,3-DCP)	96-23-1	IARC[4] 2B	Carcinogenic
8	α-Methyl styrene (alpha-Methylstyrene)	98-83-9	IARC[4] 2B and Cal Prop 65 [2]	Carcinogenic
9	Methyl isobutyl ketone (MIBK)	108-10-1	IARC[4] 2B	Carcinogenic
10	Diethanolamine	111-42-2	IARC[4] 2B	Carcinogenic
11	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	REACH SVHC[3]	Reproduction
12	Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8	Reach SVHC[3]	Reproduction
13	Monomethylarsonic acid (methylarsonic acid; MMA)	124-58-3	IARC[4] 2B	Carcinogenic
14	N,N-dimethylacetamide (DMAc)	127-19-5	Reach SVHC[3]	Reproduction
15	Chloral Hydrate	302-17-0	IARC[4] 2A	Carcinogenic
16	Tricosafluorododecanoic acid	307-55-1	REACH SVHC[3]	vPvB
17	Heptacosafluorotetradecanoic acid	376-06-7	REACH SVHC[3]	vPvB
18	1,2-Diethoxyethane	629-14-1	REACH SVHC[3]	Developmental/ Reproductive
19	2-Methylimidazole	693-98-1	IARC[4] 2B	Carcinogenic
20	4-Methylimidazole	822-36-6	IARC[4] 2B	Carcinogenic
21	tri-n-propyltin chloride	2279-76-7	EU Category 1 Endocrine Disruptor[1]	Endocrine Disruptor
22	Dibromoacetonitrile	3252-43-5	IARC[4] 2B	Carcinogenic
23	1-nitropyrene	5522-43-0	IARC[4] 2A; NTP[5] Reasonably Anticipated	Carcinogenic
24	Lead dinitrate	10099-74-8	REACH SVHC[3]	Developmental

	Chemical Name	CAS Registry Number	Authoritative List	Toxicological Endpoint
25	Asbestos (non-asbestiform Actinolite)	13768-00-8	IARC[4] 1	Carcinogenic
26	Asbestos (non-asbestiform Tremolite)	14567-73-8	IARC[4] 1	Carcinogenic
27	Formaldehyde, oligomeric reaction products with aniline	25214-70-4	Reach SVHC[3]	Carcinogenic
28	3,4',5-Trichlorobiphenyl	53555-66-1	EU Category 1 Endocrine Disruptor[1]	Endocrine Disruptor
29	beta-Triglycidyl isocyanurate (β-TGIC)	59653-74-6	REACH SVHC[3]	Mutagenic
30	Pentacosafluorotridecanoic acid	72629-94-8	REACH SVHC[3]	vPvB
31	1,3-Dinitropyrene	75321-20-9	IARC[4] 2B and Cal Prop 65 [2]	Carcinogenic
32	Microcystin-LR	101043-37-2	IARC[4] 2B; MN HRL[6]	Carcinogenic; Liver Toxicity
	Boric Acid*	11113-50-1	REACH SVHC[3]	Reproduction

1: European Union Category 1 Endocrine Disruptor (EU Category 1 Endocrine Disruptor)
2: California Proposition 65 List (Cal Prop 65)
3: Registration, Evaluation, Authorisation, and Restriction of Chemicals (REACH), Substances of Very High Concern (SVHC)
4: International Agency for Research on Cancer (IARC)
5: National Toxicology Program (NTP)
6: Minnesota Health Risk Limit (MN HRL)
*: Adding 2nd CAS Number (11113-50-1) to Boric Acid entry. Already on CHC list under CAS Number 10043-35-3

Appendix 3

Candidate Chemicals Under Consideration for the PC list

	Chemical Name	CAS Registry Number
1	tris(1,3-dichloro-2-propyl)phosphate (TDCPP)	13674-87-8
2	Phenol, 4-nonyl-, branched	84852-15-3
	Polyethylene glycol nonlyphenyl ether*	9016-45-9
	Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched*	127087-87-0

*: These two chemicals are both nonylphenol ethoxylates

CAS Number	Chemical Name	Health endpoint(s)	Persistent, Bioaccumulative, Toxic (PBT) or very Persistent, very Bioaccumulative (vPvB)	Source(s)	Use example(s) or class	HPV (2006 and 3 of 4 years)[1,2]
50-00-0	Formaldehyde	Cancer, Respiratory system, Eye irritant		Maine (CA Prop 65; IARC; IRIS; NTP 11th ROC); WA Appen1; WA CHCC; Minnesota HRV; Minnesota RAA	Wood and textiles finishes, disinfection, tissue preservative	x
50-00-0	Formaldehyde (in water)	Gastrointestinal system		Minnesota HRL	Contaminant	
50-29-3	DDT, technical, p,p'DDT	Endocrine system		EU Category 1 Endocrine disruptor	pesticide	
50-32-8	Benzo(a)pyrene	Cancer, Endocrine system	x	Maine (CA Prop 65; IARC; IRIS; NTP 11th ROC; OSPAR Chemicals of Concern; EU Endocrine Disruptor; EPA Final PBT Rule for TRI; EPA Priority PBT); Oregon P3 List; WA Appen1; Minnesota HRV	Combustion by product, research	
51-28-5	2,4-Dinitrophenol	Eyes		WA Appen1; Minnesota HRL	Dyes and diaminophenol mfg, wood preservation, pesticide, pharmaceutical	
51-75-2	Nitrogen mustard (Mechlorethamine)	Cancer, Development		Maine (CA Prop 65; IARC); WA Appen1	Warfare agent, research	
51-79-6	Urethane (Ethyl carbamate)	Cancer, Development		Maine (CA Prop 65; IARC; NTP 11th ROC); WA Appen1	Preparation of amino resins, solubilizer, chemical intermediate	
53-70-3	Dibenzo(a,h)anthracene	Cancer	x	Maine (CA Prop 65; IARC; IRIS; NTP 11th ROC; EPA Final PBT Rule for TRI; WA PBT List; OSPAR Chemicals of Concern); WA Appen1; Oregon P3 List	Research	
53-96-3	2-Acetylaminofluorene	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Research	
54-62-6	Aminopterin	Development, Reproduction		Maine (CA Prop 65); WA Appen1	Pharmaceutical, pesticide	
55-18-5	N-Nitrosodiethylamine	Cancer		Maine (CA Prop 65; IARC; IRIS; NTP 11th ROC); WA Appen1	Lubricant, antioxidant, plastics stabilizer	
55-63-0	Nitroglycerin	Blood		HSDB	Explosive, rocket propellant, pharmaceutical	x
55-86-7	Nitrogen mustard hydrochloride (Mechlorethamine hydrochloride)	Cancer, Development		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Pharmaceutical, sterilant mfg, cross linking agent	

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56-23-5	Carbon tetrachloride	Cancer		Maine (CA Prop 65; IRIS; NTP 11th ROC); WA Appen1; Minnesota HRL	Pesticide (EPA reg. cancelled), fire reduction, solvent, fumigant, dry cleaning	x
56-35-9	Bis(tributyltin)oxide (TBTO)	Endocrine system	x	Maine (EU Endocrine Disruptor; EU PBT List; OSPAR Chemicals of Concern; REACH Substances of Very High Concern; Canada PBiT); WA Appen1; Oregon P3 List	Antimicrobials, slimasides	
56-49-5	3-Methylcholanthrene	Cancer, Endocrine system	x	Maine (CA Prop 65; EU Endocrine Disruptor; EPA Final PBT Rule for TRI; WA PBT List; OSPAR Chemicals of Concern); WA Appen1	Research	
56-53-1	Diethylstilbestrol	Cancer, Development, Endocrine system		Maine (CA Prop 65; IARC; NTP 11th ROC; OSPAR Chemicals of Concern); WA Appen1; Oregon P3 List	Research, pharmaceutical	
56-55-3	Benzo(a)anthracene	Cancer	x	Maine (CA Prop 65; IRIS; NTP 11th ROC; EPA Final PBT Rule for TRI; OSPAR Chemicals of Concern); WA Appen1; Oregon P3 List	Research	
56-93-9	Trimethylbenzylammonium chloride	Mortality		NTP	Solvent, dye assistant, phase transfer catalyst	x
56-95-1	2,4,11,13-Tetraazatetradecanediimidamide, N,N''-bis(4-chlorophenyl)-3,12-diimino-, diacetate		x	Maine (Canada PBiT); WA Appen1	Biocide	
57-12-5	Cyanide, free	Nervous system, Thyroid, Weight Loss		IRIS; WA Appen1; Minnesota HRL	Electroplating, chemicals mfg, naturally occurring in some foods	
57-14-7	1,1-Dimethylhydrazine (UDMH)	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Rocket fuel or propellant	
57-24-9	Strychnine	Nervous system		HSDB; IRIS; WA Appen1	Pesticide, pharmaceutical	
57-57-8	beta-Propiolactone	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Chemical mfg, disinfectant	

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57-74-9	Chlordane	Cancer, Endocrine system	x	Maine (CA Prop 65; OSPAR Chemicals of Concern; EU Endocrine Disruptor; EPA Final PBT Rule for TRI; TRI PBT Chemical List; EPA Priority PBT; WA PBT List); WA Appen1	Pesticide (EPA reg. cancelled)	
57-97-6	7,12-Dimethylbenz(a)anthracene	Cancer, Endocrine system	x	Maine (CA Prop 65; EU Endocrine Disruptor; EPA Final PBT Rule for TRI; OSPAR Chemicals of Concern); WA Appen1	Research, pharmaceutical	
58-89-9	Hexachlorocyclohexane, gamma-, (Lindane)	Cancer; Endocrine system	x	Maine (CA Prop 65; Canada PBiT; NTP 11th ROC; OSPAR Chemicals of Concern; EU Endocrine Disruptor; NWM Priority Chemicals; OSPAR Chemicals of Concern); WA Appen1; Oregon P3 List	Antimicrobial	
58-90-2	2,3,4,6-Tetrachlorophenol	Liver		IRIS; WA Appen1	Pesticide, preservative	
59-05-2	Methotrexate	Development		Maine (CA Prop 65); WA Appen1	pharmaceutical, insect sterilant	
59-87-0	Nitrofurazone	Cancer		Maine (CA Prop 65); WA Appen1	Food additive, pharmaceutical	
59-89-2	N-Nitrosomorpholine	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Solvent, chemical synthesis	
60-09-3	p-Aminoazobenzene (Aniline Yellow)	Cancer		Maine (CA Prop 65); WA Appen1	Dye	
60-11-7	4-Dimethylaminoazobenzene	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	pH indicators - spot tests	
60-24-2	2-Mercaptoethanol	Eyes, Cardiovascular system, Liver, Skin		OECD - SIDS/SIAR	Dyestuff, chemical intermediate, chemical mfg	x
60-35-5	Acetamide	Cancer		Maine (CA Prop 65); WA Appen1	Solvent, plasticizer, stabilizer, humectant	
60-51-5	Dimethoate	Nervous system		IRIS; WA Appen1	Pesticide	
60-56-0	Methimazole	Development		Maine (CA Prop 65); WA Appen1	Cyanide free silver plating, pharmaceutical	

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60-57-1	Dieldrin	Cancer, Development, Endocrine system, Immune system, Liver, Nervous system	x	Maine (CA Prop 65; IRIS; EPA Priority PBT; WA PBT List; OSPAR Chemicals of Concern); WA Appen1; Oregon P3 List; Minnesota HRL	Pesticide (not EPA registered)	
61-82-5	Amitrole	Cancer, Endocrine system		Maine (CA Prop 65; NTP 11th ROC; EU Endocrine Disruptor); WA Appen1	Pesticide	
62-38-4	Phenylmercuric Acetate	Kidney		IRIS; WA Appen1	Preservative	
62-44-2	Phenacetin	Cancer		Maine (CA Prop 65; IARC; NTP 11th ROC); WA Appen1	Pharmaceutical, stabilizer in hair bleach	
62-50-0	Ethyl methanesulfonate	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Research, catalyst in chemical mfg	
62-53-3	Aniline	Cancer		Maine (CA Prop 65; IRIS); WA Appen1; WA CHCC	Chemical mfg, (polyurethane foam, varnishes, perfumes, printing inks)	x
62-55-5	Thioacetamide	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Inorganic chemical analysis, motor fuel stabilizer	
62-56-6	Thiourea	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1; WA CHCC	Fire retardant, hair dyes, boiler water treatment, photography chemicals	
62-73-7	DDVP (Dichlorvos)	Cancer, Nervous system		Maine (CA Prop 65; IRIS); WA Appen1; Minnesota HRV	Pesticide	
62-74-8	Sodium fluoroacetate	Reproduction		Maine (CA Prop 65); WA Appen1	Pesticide	
62-75-9	N-Nitrosodimethylamine	Cancer		Maine (CA Prop 65; IARC; IRIS; NTP 11th ROC); WA Appen1	Industrial solvent, antioxidant	
63-25-2	Carbaryl	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	Pesticide	
64-17-5	Ethanol	Cancer, Development		Maine (CA Prop 65; IARC); WA Appen1	Solvent, fuel	x
64-18-6	Formic acid	Eyes		HSDB; WA Appen1	Pesticide, acidulating agent in dyeing, solvent	x
64-67-5	Diethyl sulfate	Cancer		Maine (CA Prop 65; IARC; NTP 11th ROC); WA Appen1	Ethylating agent, chemical intermediate in dye mfg	x
64-86-8	Colchicine	Development, Reproduction		Maine (CA Prop 65); WA Appen1	Pharmaceutical, research	

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66-27-3	Methyl methanesulfonate	Cancer		Maine (CA Prop 65; IARC; NTP 11th ROC); WA Appen1	Research, catalyst	
66-76-2	Dicumarol	Development		Maine (CA Prop 65); WA Appen1	Pesticide, pharmaceutical	
66-81-9	Cycloheximide	Development		Maine (CA Prop 65); WA Appen1	Pesticide (EPA reg. cancelled), pharmaceutical	
67-56-1	methanol	Development		Cal Prop 65 (reproductive/developmental)	solvent, antifreeze, fuel, chemical production	
67-66-3	Chloroform	Cancer, Development, Immune system, Reproduction		Maine (CA Prop 65; IRIS; NTP 11th ROC); WA Appen1; Minnesota HRL; Minnesota HRV	Solvent	x
67-72-1	Hexachloroethane	Cancer	x	Maine (CA Prop 65; NTP 11th ROC; NWM Priority Chemicals; OSPAR Chemicals of Concern); WA Appen1	Organic chemical synthesis, pyrotechnics, solvent	
68-12-2	N,N-dimethylformamide	Liver		OECD - SIDS/SIAR; WA Appen1; Minnesota HRV	Solvents, chemical intermediates, paints	x
70-25-7	N-Methyl-N'-nitro-N-nitrosoguanidine	Cancer		Maine (CA Prop 65; IARC; NTP 11th ROC); WA Appen1	Research	
70-30-4	phenol, 2,2'-methylenebis[3,4,6-trichloro-		x	Maine (OSPAR Chemicals of Concern); WA Appen1; Oregon P3 List	Antibacterial, disinfectant, pesticide (EPA reg. cancelled)	
71-43-2	Benzene	Blood, Cancer, Development, Immune system, Reproduction		Maine (CA Prop 65; IARC; EU Carcinogen; IRIS; NTP 11th ROC); WA Appen1; WA CHCC; Minnesota HRL; Minnesota HRV	Inks, rubbers, lacquers, paint remover, gasoline additive	x
72-20-8	Endrin	Development	x	Maine (CA Prop 65; WA PBT List; OSPAR Chemicals of Concern); WA Appen1; Oregon P3 List	Pesticide (EPA reg. cancelled)	
72-43-5	Methoxychlor	Endocrine system	x	Maine (EU Endocrine Disruptor; EPA Final PBT Rule for TRI; TRI PBT Chemical List; NWM Priority Chemicals; OSPAR Chemicals of Concern; OSPAR Chemicals for Priority Action); WA Appen1	Pesticide (EPA reg. cancelled)	

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72-54-8	benzene, 1,1'-(2,2-dichloroethylidene)bis[4-chloro-	Cancer, Endocrine system	x	Maine (CA Prop 65; IRIS; EU Endocrine Disruptor; OSPAR Chemicals of Concern); WA Appen1; Oregon P3 List; Minnesota HRL	Pesticide (EPA reg. cancelled)	
72-55-9	benzene, 1,1'-(dichloroethenylidene)bis[4-chloro-	Cancer, Endocrine system, Reproduction	x	Maine (CA Prop 65; IRIS; EU Endocrine Disruptor; OSPAR Chemicals of Concern); WA Appen1; Oregon P3 List; Minnesota HRL	Pesticide contaminant	
72-57-1	Trypan blue (commercial grade)	Cancer		Maine (CA Prop 65); WA Appen1	Dye, pharmaceutical	
74-83-9	Methyl bromide, as a structural fumigant	Development, Nervous system, Respiratory		Maine (CA Prop 65); WA Appen1; Minnesota HRV	Refrigerant, fire extinguisher, fumigant	x
74-83-9	Methyl bromide, in water	Gastrointestinal system		WA Appen1; Minnesota HRL	Contaminant	x
74-87-3	Methyl chloride	Development		Maine (CA Prop 65); WA Appen1	Pharmaceutical, foaming agent in plastics industry, catalyst, chemical mfg	x
74-88-4	Methyl iodide	Cancer		Maine (CA Prop 65); WA Appen1	Ethylating agent, microscopy, etching	
74-90-8	Hydrogen cyanide	Endocrine system, Nervous system		WA Appen1; Minnesota HRV	Pesticide (EPA reg. cancelled), electroplating, metal mfg	x
74-93-1	Methanethiol (Methyl mercaptan)	Body weight, Blood, Spleen		OECD - SIDS/SIAR	Gas odorant, chemical manufacturing	x
74-95-3	Dibromomethane	Kidney, Liver		HSDB	Solvent, gauge fluid	x
74-96-4	Bromoethane	Cancer		Maine (CA Prop 65); WA Appen1	Ethylating agent, chemical mfg	x
75-00-3	Chloroethane (Ethyl chloride)	Development, Endocrine system, Nervous System, Reproduction		Maine (CA Prop 65); WA Appen1; Minnesota RAA; Minnesota HRV	Chemical intermediate, refrigerant, solvents, pharmaceutical	x
75-01-4	Vinyl chloride	Cancer, Liver		Maine (CA Prop 65; IARC; EU Carcinogen; IRIS; NTP 11th ROC); WA Appen1; WA CHCC; Minnesota HRL; Minnesota HRV	Plastics, organic chemical synthesis	x
75-02-5	Vinyl fluoride	Cancer		Maine (CA Prop 65; IARC; NTP 11th ROC); WA Appen1	Production of polyvinyl fluoride	x
75-05-8	Acetonitrile	Mortality		WA Appen1; Minnesota HRV	Pesticides mfg, rubber, dyes	x

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75-07-0	Acetaldehyde	Cancer		Maine (CA Prop 65; IRIS; NTP 11th ROC); WA Appen1; WA CHCC; Minnesota HRV	Organic chemical synthesis, flavoring, chemical intermediate	x
75-09-2	Methylene Chloride (Dichloromethane)	Cancer, Liver, Nervous system		Maine (CA Prop 65; IRIS; NTP 11th ROC); WA Appen1; WA CHCC; Minnesota HRL-EPA-MCL; Minnesota HRV	Solvent, chemical intermediate	x
75-12-7	Formamide	Reproduction		REACH Substances of Very High Concern	chemical intermediate, sofener (paper, glue), pharmaceutical solvent	
75-15-0	Carbon disulfide	Development, Nervous system, Reproduction		Maine (CA Prop 65); WA Appen1; WA CHCC; Minnesota HRL; Minnesota HRV	Pesticide (EPA reg. cancelled), rayon mfg	x
75-21-8	Ethylene oxide	Cancer, Development, Reproduction		Maine (CA Prop 65; IARC; NTP 11th ROC); WA Appen1	Chemical intermediate, fumigant	x
75-25-2	Bromoform	Cancer		Maine (CA Prop 65; IRIS); WA Appen1; Minnesota HRL	Solvent, intermediate in chemical mfg, reagent	
75-26-3	2-Bromopropane	Reproduction		Maine (CA Prop 65; EU Reproductive Toxicant; NTP CERHR); WA Appen1	Synthesis of dyes, pharmaceuticals, organic chemicals	
75-27-4	Bromodichloromethane	Cancer		Maine (CA Prop 65; IRIS; NTP 11th ROC); WA Appen1; Minnesota HRL	Reagent, organic synthesis	
75-28-5	Isobutane (containing 0.1 % butadiene (203-450-8))	Cancer		Maine (EU Carcinogen)	Propellant, gasoline	x
75-34-3	1,1-Dichloroethane	Cancer, Nervous system		Maine (CA Prop 65); WA Appen1; Minnesota RAA	Solvent, extracting agent, fumigant	
75-35-4	1,1-Dichloroethylene (Vinylidene chloride)	Liver		WA Appen1; Minnesota HBV	Co-monomer in production of coatings, films, resins ; organic synthesis	
75-44-5	Phosgene	Respiratory system		WA Appen1; Minnesota HRV	Polymeric isocyanides mfg, pesticide mfg	x
75-52-5	methane, nitro-	Cancer	x	Maine (CA Prop 65; NTP 11th ROC; NWM Priority Chemicals; OSPAR Chemicals of Concern); WA Appen1	Rocket and racing fuel, solvents for vinyls, epoxies, polyamides and acrylic polymers	

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75-55-8	2-Methylaziridine (Propyleneimine)	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Polymer in textile and paper industry	
75-56-9	Propylene oxide	Cancer		Maine (CA Prop 65; IRIS; NTP 11th ROC); WA Appen1; Minnesota HRV	Pesticide, disinfectant	x
75-59-2	Tetramethylammonium hydroxide	Bladder, Cardiovascular system, Eyes, Skin		OECD - SIDS/SIAR	Semiconductor and electronics industry	x
75-60-5	Cacodylic acid	Cancer		Maine (CA Prop 65); WA Appen1	Desiccant, ripener, defoliant, pharmaceutical	
75-74-1	Tetramethyllead		x	Maine (EU PBT List; OSPAR Chemicals of Concern); WA Appen1	Anti-knock additive for gasoline	
75-87-6	Chloral	Cancer		IARC 2A	chemical intermediate	
75-99-0	Dalapon, sodium salt	Kidney		IRIS; WA Appen1	Pesticide (EPA reg. cancelled)	
76-03-9	Trichloroacetic acid	Cancer		IARC 2B	solvent, selective herbicide, surface treatment of metals	
76-44-8	Heptachlor	Cancer, Development	x	Maine (CA Prop 65; IRIS; EPA Final PBT Rule for TRI; TRI PBT Chemical List; NWM Priority Chemicals; WA PBT List; OSPAR Chemicals of Concern); WA Appen1; Oregon P3 List; Minnesota HRL	Pesticide (EPA reg. cancelled)	
76-60-8	Phenol, 4,4'-(3H-2,1-benzoxathiol- 3-ylidene)bis[2,6-dibromo-3-methyl-, S,S-dioxide		x	Maine (Canada PBiT); WA Appen1	pH indicator	
76-87-9	stannane, hydroxytriphenyl-	Cancer, Development	x	Maine (CA Prop 65; OSPAR Chemicals of High Concern); WA Appen1	Pesticide, antifouling	
77-09-8	Phenolphthalein	Cancer, Endocrine system		Maine (CA Prop 65; NTP 11th ROC; EU Endocrine Disruptor); WA Appen1	Acid base indicator, reagent, pharmaceutical	
77-40-7	2,2-Bis(4-hydroxyphenyl)-n-butan = Bisphenol B	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	Plastic component	
77-47-4	Hexachlorocyclopentadiene	Kidney, Liver, Respiratory system		ATSDR; HSDB; IRIS; NTP; WA Appen1	Flame retardants mfg, pesticide (EPA reg. cancelled)	x
77-52-1	Urs-12-en-28-oic acid, 3-hydroxy-, (3ß)-		x	Maine (Canada PBiT); WA Appen1		

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77-73-6	Dicyclopentadiene	Adrenal glands, Eyes, Kidney, Liver, Skin		OECD - SIDS/SIAR; Minnesota HRV	Intermediate in production of resins, pesticides, plastics	x
77-78-1	Dimethyl sulfate	Cancer		Maine (CA Prop 65; IARC; IRIS; NTP 11th ROC); WA Appen1	Ethylating agent, sulfating agent (agrichemicals, dyes, fabric softeners)	x
78-00-2	lead, tetraethyl-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Anti-knock additive for gasoline	x
78-48-8	Merphos oxide (Tribufos)	Nervous system		IRIS; WA Appen1	Pesticide	
78-63-7	Peroxide, (1,1,4,4-tetramethyl-1,4-butanediyl)bis[(1,1-dimethylethyl) (Varox)		x	Maine (Canada PBiT); WA Appen1	Rubber mfg	x
78-79-5	Isoprene	Cancer		Maine (CA Prop 65; NTP 11th ROC); OECD - SIDS/SIAR; WA Appen1	Source of hydrocarbons for rubber mfg	x
78-82-0	2-Methylpropanenitrile	Eyes, Nervous system		HSDB; WA Appen1	Synthesis of gasoline and pesticides, catalyst in polyethylene production	x
78-87-5	1,2-Dichloropropane	Cancer, Respiratory system		Maine (CA Prop 65); WA Appen1; Minnesota HRL; Minnesota HRV	Solvent, dry-cleaning, pesticide (EPA reg. pesticide)	
79-00-5	Vinyl trichloride (1,1,2-Trichloroethane)	Cancer, Immune system		Maine (CA Prop 65); WA Appen1; Minnesota HRL	Solvent, production of vinylidine chloride	x
79-01-6	Trichloroethylene	Development, Liver, Reproduction		Maine (CA Prop 65; IARC; NTP 11th ROC); WA Appen1; Minnesota HRL-EPA -MCL; Minnesota HRV	Solvent, degreaser	x
79-04-9	Chloroacetyl chloride	Eyes, Mortality, Respiratory system, Skin		EPA - HC	Chemical intermediate, chloroacetophenone mfg, tear gas	x
79-06-1	Acrylamide	Cancer, Development, Genotoxic, Reproduction		Maine (CA Prop 65; IARC; IRIS; NTP 11th ROC; NTP CERHR); WA Appen1; REACH Substances of Very High Concern	Synthesis of dyes, adhesives, paper and textiles	x
79-10-7	Acrylic acid	Respiratory system		WA Appen1; Minnesota HRV	Chemical intermediate for acrylates, plastics mfg, water based paints	x
79-11-8	Chloroacetic acid	Cardiovascular system, Development, Eyes, Kidney, Liver, Nervous System, Respiratory system, Skin		WA Appen1; OECD - SIDS/SIAR	Crop protection chemicals, carboxymethylcellulose, paints, pharmaceuticals	x

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79-34-5	1,1,2,2-Tetrachloroethane	Cancer		Maine (CA Prop 65); WA Appen1; WA CHCC; Minnesota HRL	Solvent, degreaser	x
79-38-9	Chlorotrifluoroethylene	Kidney		HSDB	Chlorotrifluoroethylene resins mfg, synthesis of plastics, lubricants, elastomers	x
79-43-6	Dichloroacetic acid	Cancer		Maine (CA Prop 65; IRIS); WA Appen1	Chemical intermediate for pharmaceuticals, reagent	
79-44-7	Dimethylcarbamoyl chloride	Cancer		Maine (CA Prop 65; IARC; NTP 11th ROC); WA Appen1	Former chemical intermediate for dyes, pharmaceuticals, pesticides	
79-46-9	2-Nitropropane	Cancer, Liver		Maine (CA Prop 65; NTP 11th ROC); WA Appen1; Minnesota HRV	Solvent in inks, paints, adhesives, chemical synthesis	
79-92-5	bicyclo[2.2.1]heptane, 2,2-dimethyl-3-methylene- (Camphene)		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Food additive, chemical intermediate, pharmaceutical, mothproofing, fragrance	x
79-94-7	Tetrabromobisphenol A		x	Maine (EPA Final PBT Rule for TRI; TRI PBT Chemical List; EPA Priority PBT; WA PBT List; OSPAR Chemicals of Concern; OSPAR Chemicals for Priority Action); WA Appen1; WA CHCC; Oregon P3 List	Flame retardant on electronic circuit boards, plasticizer	x
79-95-8	phenol, 4,4'-(1-methylethylidene)bis[2,6-dichloro- (2,2',6,6'-TETRACHLOROBISPHENOL A)		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Flame retardant monomer in epoxy resins, polycarbonates, and polyesters	
80-05-7	4,4'-methylethylidenebisphenol (BPA) (Bisphenol A)	Development, Endocrine system		Maine (NTP CERHR; OSPAR Chemicals of Concern; EU Endocrine Disruptor); WA Appen1; WA CHCC	Monomer in polycarbonate and epoxy resins, plastics mfg	x
80-06-8	benzenemethanol, 4-chloro-.alpha.-(4-chlorophenyl)-.alpha.-methyl- (Dimite)		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Pesticide (not EPA registered)	
80-07-9	4,4'-Dichlorodiphenyl sulfone	Genotoxic, Kidney, Liver		OECD - SIDS/SIAR	Production of thermoplastics	x

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80-15-9	Cumene hydroperoxide	Respiratory system, Skin		HSDB	Production of acetone and phenol, curing agent	x
80-51-3	4,4'-Oxybis(benzenesulfonyl hydrazide) (OBSH)	Adrenal glands, Kidney, Liver		OECD - SIDS/SIAR	Sponge rubber mfg and expanded plastics	x
80-62-6	Methyl methacrylate MMA	Respiratory system		WA Appen1; Minnesota HRV	Monomer for polymethacrylate resins, comonomer for copolymers	x
81-14-1	Musk ketone		x	WA Appen1; Oregon P3 List	Fragrances	
81-15-2	benzene, 1-(1,1-dimethylethyl)-3,5-dimethyl-2,4,6-trinitro- (Musk xylene)		x	Maine (OSPAR Chemicals of Concern; REACH Substances of Very High Concern); WA Appen1; Oregon P3 List	Fragrance compounds, cosmetics	
81-49-2	1-Amino-2,4-dibromoanthraquinone	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Dye	
81-68-5	Benzenesulfonamide, N-(4-amino-9,10-dihydro-3- methoxy-9,10-dioxo-1-anthracenyl)-4-methyl- (C.I. Disperse Red 86)		x	Maine (Canada PBiT); WA Appen1	Dye	
81-81-2	Warfarin	Development, Endocrine system		Maine (CA Prop 65; EU Reproductive Toxicant); WA Appen1	Pesticide, anticoagulant	
81-88-9	D&C Red No. 19	Cancer		Maine (CA Prop 65); WA Appen1	Dye	
81-98-1	7H-benz[de]anthracen-7-one, 3,9-dibromo-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Chemical intermediate in chemical synthesis	
82-05-3	7H-benz[de]anthracen-7-one		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Dye	
82-28-0	1-Amino-2-methylanthraquinone	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Chemical intermediate for dyes	
82-68-8	Pentachloronitrobenzene		x	Maine (NWM Priority Chemicals; OSPAR Chemicals of Concern); WA Appen1; Oregon P3 List	Seed treatment, pesticide	
83-32-9	Acenaphthene		x	Maine (NWM Priority Chemicals; OSPAR Chemicals of Concern); WA Appen1	Dye, insecticide, fungicide	
83-66-9	benzene, 1-(1,1-dimethylethyl)-2-methoxy-4-methyl-3,5-dinitro- (Musk ambrette - artificial)		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Fragrances	
83-79-4	Rotenone	Reproduction		IRIS; WA Appen1	Pesticide	

CAS Number	Chemical Name	Health endpoint(s)	Persistent, Bioaccumulative, Toxic (PBT) or very Persistent, very Bioaccumulative (vPvB)	Source(s)	Use example(s) or class	HPV (2006 and 3 of 4 years)[1,2]
84-61-7	Dicyclohexyl phthalate (DCHP)	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	Plasticizer	
84-65-1	Anthraquinone	Cancer		Maine (CA Prop 65); WA Appen1	Chemical production of acid and base dyes, pesticide	x
84-66-2	Diethyl phthalate (DEP)	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1; WA CHCC; Minnesota HRL	Plasticizer	x
84-69-5	1,2-benzenedicarboxylic acid, bis(2-methylpropyl) ester	Reproduction		Maine (OSPAR Chemicals of Concern); WA Appen1; REACH Substances of Very High Concern	Plasticizer	
84-74-2	1,2-benzenedicarboxylic acid, dibutyl ester (DBP) (phthalate)	Development, Endocrine system, Reproduction		Maine (CA Prop 65; NTP CERHR; OSPAR Chemicals of Concern; EU Endocrine Disruptor; REACH Substances of Very High Concern); WA Appen1	Plasticizer, epoxy resins	x
84-75-3	Di-n-hexyl phthalate (DnHP)	Cancer		Maine (CA Prop 65); WA Appen1; WA CHCC	Plastisol mfg	
85-00-7	Diquat dibromide	Development, Eyes		IRIS; WA Appen1	Pesticide	
85-01-8	Phenanthrene		x	Maine (NWM Priority Chemicals); WA Appen1; Oregon P3 List	Research, dyes, explosives, drugs	
85-22-3	Pentabromoethylbenzene		x	Maine (OSPAR Chemicals of Concern; OSPAR Chemicals for Priority Action); WA Appen1	Add-in flame retardant, thermoset polyester resins for circuit boards, textiles, adhesives (1980s)	
85-42-7	Hexahydrophthalic anhydride (HHPA)	Respiratory system, Skin		EPA - HC	Curing agent for epoxy resins and intermediate for plasticizers	x
85-44-9	Phthalic anhydride	Eyes, Respiratory system, Skin		WA Appen1; WA CHCC; HSDB	Phthaleins mfg, phthalates, rubber retarder, synthetic fibers	x
85-68-7	1,2-benzenedicarboxylic acid, butyl phenylmethyl ester (BBP) (phthalate)	Development, Endocrine system, Reproduction		Maine (CA Prop 65; OSPAR Chemicals of Concern; EU Endocrine Disruptor; REACH Substances of Very High Concern); WA Appen1; HSDB; Minnesota HRL	Plasticizer	x

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85-86-9	2-Naphthalenol, 1-[[4-(phenylazo)phenyl]azo]- (C.I. Solvent Red 23)		x	Maine (Canada PBiT); WA Appen1	Dye	
86-30-6	N-Nitrosodiphenylamine	Cancer		Maine (CA Prop 65; IRIS); WA Appen1; WA CHCC; Minnesota HRL	Radical scavenger, anti-scorching agent, rubber accelerator	
86-73-7	Fluorene	Blood	x	Maine (NWM Priority Chemicals); WA Appen1; Minnesota HRL	Chemical intermediate	
86-74-8	Carbazole	Cancer		Maine (CA Prop 65); WA Appen1	Pesticide mfg, lubricants, rubber antioxidants, dye intermediate	
87-10-5	Benzamide, 3,5-dibromo-N-(4-bromophenyl)-2-hydroxy-		x	Maine (Canada PBiT); WA Appen1	Pesticide (EPA reg. cancelled), pharmaceutical	
87-29-6	Cinnamyl anthranilate	Cancer		Maine (CA Prop 65); WA Appen1	Flavoring agent	
87-61-6	1,2,3-trichlorobenzene		x	Maine (EU PBT List; OSPAR Chemicals of Concern; OSPAR Chemicals for Priority Action); WA Appen1	Chemical solvent for high-melting products, coolant in electrical installations	
87-62-7	2,6-Xylidine (2,6-Dimethylaniline)	Cancer		Maine (CA Prop 65); WA Appen1	Intermediate in chemical mfg	
87-68-3	Hexachlorobutadiene	Kidney	x	Maine (NWM Priority Chemicals; WA PBT List; EU PBT List; OSPAR Chemicals of Concern; Canada PBiT); WA Appen1; WA CHCC; Minnesota HRL	Solvent, fumigant	
87-82-1	benzene, hexabromo-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Flame retardant	
87-83-2	benzene, pentabromomethyl-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Flame retardant (no longer in use)	
87-86-5	Pentachlorophenol	Cancer, Endocrine system, Kidney, Liver	x	Maine (CA Prop 65; EU Endocrine Disruptor; IRIS; NWM Priority Chemicals; OSPAR Chemicals of Concern); WA Appen1; Minnesota HRL- EPA-MCL	Pesticide	
88-06-2	2,4,6-Trichlorophenol	Cancer	x	Maine (CA Prop 65; IRIS; NTP 11th ROC); WA Appen1; Oregon P3 List; Minnesota HRL	Pesticide (EPA reg. cancelled), preservative, antimicrobial	

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88-12-0	2-Pyrrolidinone, 1-ethenyl-	Liver		HSDB; WA Appen1	Water soluble and insoluble forms of polyvinyl pyrrolidone for pharmaceuticals and cosmetics mfg, disinfectant	x
88-60-8	6-tert-Butyl-m-cresol	Liver		OECD - SIDS/SIAR	Water soluble and insoluble forms of polyvinyl pyrrolidone for pharmaceuticals and cosmetics mfg, disinfectant	x
88-72-2	o-Nitrotoluene	Cancer		Maine (CA Prop 65); WA Appen1	Synthesis of azo dyes, petrochemicals, pesticides, pharmaceuticals	x
88-85-7	Dinoseb	Development, Reproduction	x	Maine (CA Prop 65); WA Appen1; Oregon P3 List	Pesticide (EPA reg. cancelled)	x
89-32-7	Pyromellitic dianhydride	Respiratory system		HSDB	Curing agent, aromatic polyamides mfg	x
90-04-0	o-Anisidine	Cancer		Maine (CA Prop 65); WA Appen1	Intermediate in dye mfg, pharmaceuticals, fragrances,	
90-43-7	o-Phenylphenol	Cancer		Maine (CA Prop 65); WA Appen1	Pesticide, rubber industry, plasticizer	
90-94-8	Michler's ketone	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Synthesis of auramine derivatives, pigment mfg	
91-20-3	Naphthalene	Cancer, Respiratory system	x	Maine (CA Prop 65; NTP 11th ROC; NWM Priority Chemicals); WA Appen1; Minnesota HRL; Minnesota HRV	Moth repellant, chemical mfg, wood preservation, pharmaceutical	x
91-22-5	Quinoline	Cancer		Maine (IRIS); WA Appen1	Dyestuffs, chemical intermediate, flavoring, decarboxylation reagent	
91-23-6	o-Nitroanisole	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Organic chemical synthesis, chemical intermediate	
91-59-8	2-Naphthylamine	Cancer		Maine (CA Prop 65; IARC; EU Carcinogen; NTP 11th ROC); WA Appen1	Dye mfg, research	

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91-94-1	[1,1'-biphenyl]-4,4'-diamine, 3,3'-dichloro-	Cancer	x	Maine (CA Prop 65; IARC; IRIS; EU Carcinogen; NTP 11th ROC; OSPAR Chemicals of High Concern); WA Appen1; Minnesota HRL	Dye, curing agent	
92-15-9	Acetoacet-o-anisidide	Blood, Spleen		EPA - HC	Chemical intermediate in production of pigments	x
92-24-0	Naphthacene		x	Maine (OSPAR Chemicals of Concern); WA Appen1	In coal tar and anthracene contaminants; organic synthesis	
92-67-1	4-Aminobiphenyl (4-amino-diphenyl)	Cancer		Maine (CA Prop 65; IARC; EU Carcinogen; NTP 11th ROC); WA Appen1	Detection of sulfates, rubber antioxidant	
92-69-3	4-Hydroxybiphenyl = 4-Phenylphenol	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	Chemical intermediate	
92-70-6	3-Hydroxy-2-naphthoic acid	Eyes, Skin		OECD - SIDS/SIAR	Dyes/pigments, pharmaceutical	x
92-72-8	2-Naphthalenecarboxamide, N-(5-chloro-2,4-dimethoxyphenyl)-3-hydroxy-(C.I. 37550)		x	Maine (Canada PBiT); WA Appen1	Dye	
92-76-2	2-Naphthalenecarboxamide, N-(4-chloro-2-methylphenyl)-3-hydroxy- (C.I. 37525)		x	Maine (Canada PBiT); WA Appen1	Dye	
92-87-5	Benzidine [and its salts]	Cancer		Maine (CA Prop 65; IARC; EU Carcinogen; IRIS; NTP 11th ROC); WA Appen1; Minnesota HRV	Dyes, reagent	
92-88-6	4,4'-Dihydroxybiphenyl = 4,4'-Biphenol	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1		x
92-93-3	4-Nitrobiphenyl	Cancer		Maine (CA Prop 65); WA Appen1	Plasticizer for resins and polystyrene	
92-94-4	p-Terphenyl		x	Oregon P3 List	Heat storage, transfer agents, textile dye carrier	
93-15-2	Methyleugenol	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Flavoring, insect attractant, pharmaceutical	
93-46-9	1,4-benzenediamine, N,N'-di-2-naphthalenyl- (Diafen NN)		x	Maine (OSPAR Chemicals of Concern; Canada PBiT); WA Appen1		
93-68-5	o-Acetoacetotoluidide	Blood, Spleen		OECD - SIDS/SIAR	Chemical intermediate for pigments	x
93-72-1	2-(2,4,5-Trichlorophenoxy) propionic acid	Liver		WA Appen1; Minnesota HRL - EPA-MCL	Pesticide (EPA reg. cancelled)	

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93-76-5	2,4,5-Trichlorophenoxyacetic acid	Blood, Development		WA Appen1; Minnesota HRL	Pesticide (EPA reg. cancelled)	
94-13-3	n-propyl p-hydroxybenzoate	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1; WA CHCC	Pesticide (EPA reg. cancelled), antimicrobial, preservative	
94-26-8	n-Butyl p-Hydroxybenzoate	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1; WA CHCC	Pesticide (EPA reg. cancelled), preservative	
94-59-7	Safrole	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Piperonyl butoxide mfg, preservative	
94-74-6	2-Methyl-4-chlorophenoxyacetic acid (MCPA)	Kidney, Liver		WA Appen1; Minnesota HRL	Pesticide	
94-75-7	2,4-Dichlorophenoxyacetic acid (2,4-D)	Blood, Kidney, Liver		WA Appen1; Minnesota HRL	Pesticide	
94-82-6	2,4-D butyric acid	Endocrine system, Reproduction		Maine (CA Prop 65; EU Endocrine Disruptor); WA Appen1	Pesticide	
95-06-7	Sulfallate	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Pesticide (EPA reg. cancelled)	
95-31-8	N-tert-butylbenzothiazole-2-sulphenamide	Blood, Kidney, Liver		OECD - SIDS/SIAR	Accelerator for vulcanization of rubber	x
95-49-8	o-Chlorotoluene	Body Weight		IRIS; WA Appen1	Solvent, pesticide component	
95-53-4	o-Toluidine	Cancer		Maine (CA Prop 65; IARC; NTP 11th ROC); WA Appen1; WA CHCC	Printing textiles, intermediate in dye mfg, colors	x
95-54-5	o-Phenylenediamine and its salts, o-Phenylenediamine, o-Phenylenediamine dichydrochloride	Cancer		Maine (CA Prop 65); WA Appen1	Mfg dyes, photographic developing agent, organic chemical synthesis, hair dye	x
95-57-8	2 - Chlorophenol	Development		WA Appen1; Minnesota HRL	Organic synthesis, disinfectant	
95-65-8	3,4-Dimethylphenol	Blood, Kidney, Liver, Spleen		IRIS; WA Appen1	Starting materials for phenolic resins	x
95-69-2	p-Chloro-o-toluidine	Cancer		Maine (CA Prop 65; IARC; NTP 11th ROC); WA Appen1	Chemical intermediate for dyes, pesticide	
95-76-1	3,4-dichloroaniline	Endocrine system		Maine (OSPAR Chemicals of Concern; EU Endocrine Disruptor); WA Appen1	Chemical intermediate for dyes and pesticides	
95-79-4	5-Chloro-o-toluidine	Cancer		Maine (CA Prop 65); WA Appen1		

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95-80-7	2,4-Diaminotoluene	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1; WA CHCC	Preparation of toluene isocynates, photographic developer	
95-83-0	4-Chloro-o-phenylenediamine	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Oxidation base, hair dyes	
95-94-3	1,2,4,5-Tetrachlorobenzene		x	Maine (NWM Priority Chemicals; WA PBT List; OSPAR Chemicals of Concern; Canada PBiT); WA Appen1	Synthesis of 2,4,5-Trichlorophenate sodium, mfg pesticides	
95-95-4	2,4,5-Trichlorophenol		x	Maine (NWM Priority Chemicals; OSPAR Chemicals of Concern); WA Appen1; Oregon P3 List	Preservative	
96-09-3	Styrene oxide	Cancer		Maine (CA Prop 65; IARC; NTP 11th ROC); WA Appen1	Production of styrene glycol, epoxy resins, cosmetics, perfumes	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	Cancer, Endocrine system, Reproduction		Maine (CA Prop 65; NTP 11th ROC; EU Reproductive Toxicant; EU Endocrine Disruptor); WA Appen1	Pesticide (EPA reg. cancelled)	
96-13-9	2,3-Dibromo-1-propanol	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Production of tris(1,2,3-dibromopropyl) phosphate, flame retardants	
96-18-4	1,2,3-Trichloropropane	Cancer, Kidney, Liver		Maine (CA Prop 65; IARC; NTP 11th ROC); WA Appen1; Minnesota HRL	Paint and varnish remover, solvent	
96-23-1	1,3-Dichloro-2-propanol (1,3-DCP)	Cancer		IARC 2B	solvent, chemical intermediate	
96-24-2	alpha-Chlorohydrin	Reproduction		HSDB	Pesticide, mfg of dye intermediates	x
96-33-3	Methyl acrylate	Eyes, Respiratory system, Skin		HSDB; WA Appen1	Production of acrylic and modacrylic fibers	x
96-45-7	Ethylene thiourea	Cancer, Development, Endocrine system		Maine (CA Prop 65; NTP 11th ROC; EU Endocrine Disruptor); WA Appen1	Accelerator for rubber production	
96-48-0	gamma-Butyrolactone	Nervous system		HSDB	Chemical mfg, synthesis of pesticides, abused drug	x
96-66-2	Phenol, 4,4'-thiobis[2-(1,1-dimethylethyl)-6-methyl-		x	Maine (Canada PBiT); WA Appen1		

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97-18-7	phenol, 2,2'-thiobis[4,6-dichloro-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Surfactant, antimicrobial	
97-23-4	Dichlorophene	Development		Maine (CA Prop 65); WA Appen1	Antimicrobial, pharmaceutical	
97-56-3	o-Aminoazotoluene (C.I. Solvent Yellow 3)	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Dyes, pharmaceutical	
97-99-4	2-Furanmethanol, tetrahydro-	Development, Nervous system, Pituitary, Reproduction		OECD - SIDS/SIAR	Solvent, chemical intermediate	x
98-00-0	Furfuryl alcohol	Eyes, Respiratory system		HSDB	Solvent for cellulose ethers and esters, tanning hides	x
98-01-1	Furfural	Eyes, Respiratory system		HSDB; IRIS; WA Appen1	Source of furfuryl alcohol, tetrahydrofurfuryl alcohol, Furan, rubber cements, synthetic flavoring ingredient.	x
98-07-7	Benzotrichloride	Cancer		Maine (CA Prop 65; IARC; IRIS; NTP 11th ROC); WA Appen1; Oregon P3 List	Organic chemical synthesis, production of pesticides	x
98-54-4	Butylphenol	Endocrine system		Maine (OSPAR Chemicals of Concern); WA Appen1	Plasticizer, chemical intermediate	x
98-82-8	Cumene	Cancer, Kidney		CA Prop 65; WA Appen1; Minnesota HRV; Minnesota HRL	Production of chemical, thinner for paints, enamels, lacquers	x
98-83-9	α-Methyl styrene (alpha-Methylstyrene)	Cancer		IARC 2B and Cal Prop 65	polymerization monomer	
98-87-3	α-Chlorinated toluenes (benzal chloride, benzo-trichloride, benzyl chloride) and benzoyl chloride (combined exposures)	Cancer		Maine (IARC); WA Appen1	Preparation of benzoyl chloride	
98-88-4	α-Chlorinated toluenes (benzal chloride, benzo-trichloride, benzyl chloride) and benzoyl chloride (combined exposures)	Cancer		Maine (IARC); WA Appen1	Introduction of benzoyl group into alcohols, phenols, and amine	x
98-95-3	Nitrobenzene	Cancer, Reproduction		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Soaps, shoe polishes, chemical mfg, preservative, extraction solvent	x
99-08-1	m-Nitrotoluene	Body Weight, Kidney, Liver		EPA - HC	Manufacture of dyes, toluidines, explosives	x

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99-35-4	1,3,5-Trinitrobenzene	Blood		WA Appen1; Minnesota HRL	Explosives, vulcanizing natural rubber	
99-65-0	m-Dinitrobenzene	Reproduction		Maine (CA Prop 65); WA Appen1	Synthesis of organic chemicals	
99-76-3	Methyl p-Hydroxybenzoate	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1; WA CHCC	Antibacterial, antimicrobial	
99-96-7	p-Hydroxybenzoic acid	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1; WA CHCC	Intermediate for dyes, fungicides, corrosion inhibitor	x
99-99-0	4-Nitrotoluene	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	Production of dyes, agricultural chemicals, rubber chemicals	x
100-00-5	1-Chloro-4-nitrobenzene	Cancer		Maine (CA Prop 65); WA Appen1	Chemical mfg of dyestuffs, insecticides	
100-01-6	4 - Nitrobenzenamine	Liver		HSDB; NTP; WA Appen1	Intermediate for dyes, antioxidants, pesticides	x
100-25-4	p-Dinitrobenzene	Reproduction		Maine (CA Prop 65); WA Appen1	Organic chemical synthesis, dyes	
100-40-3	4-Vinylcyclohexene	Cancer, Reproduction		Maine (CA Prop 65); WA Appen1	Polymers, organic chemical synthesis	x
100-41-4	Ethylbenzene	Cancer, Development, Kidney, Liver		Maine (CA Prop 65); WA Appen1; WA CHCC; Minnesota HRV; Minnesota HBV	Production of synthetic rubber, precursor to styrene	x
100-42-5	Styrene	Endocrine system, Eyes, Nervous system, Respiratory system		Maine (EU Endocrine Disruptor); WA Appen1; WA CHCC; Minnesota HRV	Mfg plastics, dilutent, resin, food flavoring	x
100-44-7	Benzyl chloride	Cancer		Maine (CA Prop 65; IARC; IRIS); WA Appen1	Manufacture of benzyl compounds, photographic developer	x
100-75-4	N-Nitrosopiperidine	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Research	
101-02-0	Triphenyl phosphite	Nervous system, Skin		HSDB	Chemical intermediate, rubber industry	x
101-14-4	4,4'-Methylene bis(2-chloroaniline)	Cancer		Maine (CA Prop 65; IARC; NTP 11th ROC); WA Appen1	Curing agent for epoxy resins	
101-20-2	Urea, N-(4-chlorophenyl)-N'-(3,4-dichlorophenyl)- (Triclocarban)		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Disinfectant	
101-21-3	Chlorpropham	Spleen		IRIS; WA Appen1	Pesticide	

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101-53-1	Phenyl-4-hydroxyphenylmethane = 4-Benzylphenol (p-Benzylphenol)	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1		
101-55-3	4-Bromophenyl phenyl ether		x	Maine (NWM Priority Chemicals); WA Appen1	Research, flame retardant	
101-61-1	4,4'-Methylene bis(N,N-dimethyl)benzenamine	Cancer		Maine (CA Prop 65; IRIS; NTP 11th ROC); WA Appen1	Chemical intermediate for dyes, reagent	
101-68-8	Methylenebis (4-Phenylisocyanate)	Respiratory system		WA Appen1; Minnesota HRV	Coatings, resins, spandex, gums	x
101-76-8	benzene, 1,1'-methylenebis[4-chloro-		x	Maine (OSPAR Chemicals of Concern); WA Appen1		
101-77-9	4,4'-Methylenedianiline	Cancer		Maine (CA Prop 65; NTP 11th ROC; REACH Substances of Very High Concern); WA Appen1	Production of isocynates, polyisocyantes for polyurethane foam, preparation of azo dyes	x
101-80-4	4,4'-Diaminodiphenyl ether (4,4'-Oxydianiline)	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Chemical intermediate for polyimide polyester-imide resins	x
101-81-5	benzene, 1,1'-methylenebis-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Dyes, perfumes, manufacture of hexachlorophene	
101-86-0	alpha-Hexylcinnamaldehyde	Skin		EPA - RBP	Soaps	x
101-90-6	Diglycidyl resorcinol ether (DGRE)	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Epoxy resins, curing agent for polysulfide rubber	
102-01-2	Acetoacetanilide	Blood		OECD - SIDS/SIAR	Manufacturing of yellow dyes, pesticide mfg	x
102-06-7	1,3-Diphenylguanidine	Reproduction		OECD - SIDS/SIAR	Vulcanization accelerator	x
103-33-3	Azobenzene	Cancer		Maine (CA Prop 65; IRIS); WA Appen1	Manufacture of dyes, rubber accelerators, dyes	
103-63-0	Phenylhydrazine	Cancer		Maine (CA Prop 65)		
104-40-5	phenol, 4-nonyl-	Endocrine system	x	Maine (EU Endocrine Disruptor; OSPAR Chemicals of Concern); WA Appen1; WA CHCC	Co-stabilizer with mixed-metal stabilizers, phenolic resins	
104-55-2	2-Propenal, 3-phenyl- (Cinnamaldehyde)	Skin		EPA - RBP	Flavoring agent, corrosion inhibitor	x
105-60-2	Caprolactam	Reproduction		IRIS; WA Appen1	Manufacture of synthetic fibers, like nylon 6; bristles, coatings, plasticizers	x

CAS Number	Chemical Name	Health endpoint(s)	Persistent, Bioaccumulative, Toxic (PBT) or very Persistent, very Bioaccumulative (vPvB)	Source(s)	Use example(s) or class	HPV (2006 and 3 of 4 years)[1,2]
106-37-6	1,4-Dibromobenzene	Liver		IRIS; WA Appen1	Organic synthesis of dyestuffs and pharmaceuticals	
106-44-5	p-cresols	Eyes, Skin		WA Appen1; HSDB; OECD - SIDS/SIAR; Minnesota HRL	Chemical intermediate of tricresyl and cresyl diphenyl	x
106-46-7	p-Dichlorobenzene	Cancer, Liver		Maine (CA Prop 65; NTP 11th ROC); WA Appen1; Minnesota HRL; Minnesota HRV	Odor control, disinfectant, chemical intermediate, lubricant	x
106-47-8	p-Chloroaniline	Cancer		Maine (CA Prop 65); WA Appen1; WA CHCC	Chemical intermediate	
106-50-3	1,4-Benzenediamine	Eyes, Respiratory system, Skin		HSDB; WA Appen1	Hair dye, dyeing furs, photochemicals	x
106-87-6	4-Vinyl-1-cyclohexene diepoxide (Vinyl cyclohexenedioxide)	Cancer, Reproduction		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Polymer organic synthesis	
106-88-7	1,2-Epoxybutane	Respiratory system		WA Appen1; Minnesota HRV	Scavenger for chlorine-containing materials, corrosion inhibitor	
106-89-8	Epichlorohydrin	Cancer, Endocrine system, Reproduction		Maine (CA Prop 65; EU Endocrine Disruptor; IARC; IRIS; NTP 11th ROC); WA Appen1; Minnesota HRV	Epoxy resins, fumigant	x
106-93-4	Ethylene dibromide	Cancer, Development, Reproduction		Maine (CA Prop 65; IARC; IRIS; NTP 11th ROC; EU Endocrine Disruptor); WA Appen1; Minnesota HRL; Minnesota HRV	Exhaust system scavenging for lead, fumigant, solvent	x
106-94-5	1-Bromopropane	Development, Reproduction		Maine (CA Prop 65; NTP CERHR); WA Appen1	Solvent for fats, waxes or resins, chemical intermediate for pharmaceuticals, insecticides	
106-97-8	butane (containing 0.1 % butadiene (203-450-8))	Cancer		Maine (EU Carcinogen)	Aerosol propellant, fuel, natural gas, liquefied petroleum gas	x
106-99-0	1,3-Butadiene	Cancer, Development, Reproduction		Maine (CA Prop 65; IARC; EU Carcinogen; IRIS; NTP 11th ROC); WA Appen1; Minnesota HRV	Combustion, tobacco smoke, polymers, synthetic rubber, plastics, resins	x
107-02-8	2-Propenal (Acrolein)	Eyes, Respiratory system		WA Appen1; Minnesota HRV	Pesticide, biocide, mfg of plastics, perfumes	x

CAS Number	Chemical Name	Health endpoint(s)	Persistent, Bioaccumulative, Toxic (PBT) or very Persistent, very Bioaccumulative (vPvB)	Source(s)	Use example(s) or class	HPV (2006 and 3 of 4 years)[1,2]
107-05-1	Allyl chloride	Nervous system		WA Appen1; Minnesota HRL; Minnesota HRV	Synthesis of allyl compounds, thermoset resins, and pesticides	
107-06-2	Ethylene dichloride (1,2-Dichloroethane)	Cancer		Maine (CA Prop 65; IRIS; NTP 11th ROC); WA Appen1; Minnesota HRL	Solvent, degreaser compounds, in cosmetics	x
107-13-1	Acrylonitrile	Cancer		Maine (CA Prop 65; IRIS; NTP 11th ROC); WA Appen1; WA CHCC; Minnesota HRV	Surface coatings, resins, acrylic fibers	x
107-15-3	Ethylenediamine	Eyes, Kidney, Respiratory system, Skin		OECD - SIDS/SIAR; WA Appen1	Production of chelating agents, polyamide resins, gasoline and oil additives	x
107-18-6	2-Propen-1-ol (Allyl alcohol)	Kidney, Liver		OECD - SIDS/SIAR; WA Appen1	Manufacture of flavorings, perfumes, fire retardants	x
107-19-7	Propargyl alcohol	Kidney, Liver		IRIS; WA Appen1	Corrosion inhibitor, rust inhibitor, prevent hydrogen embrittlement of steel	x
107-29-9	Acetaldehyde Oxime	Blood, Eyes, Spleen		OECD - SIDS/SIAR	Intermediate for agriculture chemical production	x
107-30-2	Chloromethyl methyl ether (technical grade)	Cancer		Maine (CA Prop 65; IARC; EU Carcinogen; IRIS; NTP 11th ROC); WA Appen1	Alkylating agent and solvent in water repellents mfg, chloromethylated compounds	
107-51-7	Trisiloxane, octamethyl-		x	Maine (Canada PBiT); WA Appen1		
108-05-4	Vinyl acetate	Respiratory system		WA Appen1; Minnesota HRV	Plastic, films, lacquers, food packaging, safety glass interlay, polymers for coating	x
108-10-1	Methyl isobutyl ketone (MIBK)	Cancer		IARC 2B	solvent and denaturant in cosmetics, synthetic flavouring substances	
108-31-6	Maleic anhydride	Eyes, Kidney		HSDB; IRIS; WA Appen1	Chemical manufacturing, ingredient in bonding agents	x
108-38-3	m - xylene	Nervous system		HSDB; WA Appen1	Solvent, intermediate for dyes, pesticides, aviation fuel	x
108-45-2	m-Phenylenediamine	Liver		IRIS; WA Appen1	Dyes, rubber curing agents, textile fibers, hair dyes	x

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108-46-3	Resorcinol	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	Tanning, resins, resin adhesives, photography, pharmaceutical	x
108-60-1	Bis(2-chloro-1-methylethyl) ether	Blood		IRIS; WA Appen1	Chemical intermediate in dye mfg, pharmaceuticals, resins	
108-70-3	1,3,5-trichlorobenzene		x	Maine (OSPAR Chemicals of Concern; OSPAR Chemicals for Priority Action); WA Appen1	Dye solvent, degreasing solvent, dielectric fluid, lubricant additive, insecticide	
108-77-0	Cyanuric chloride	Development, Respiratory system, Skin		OECD - SIDS/SIAR	Dyestuffs, herbicides, optical brighteners	x
108-88-3	Toluene	Eyes, Development, Immune system, Nervous system, Respiratory system		Maine (CA Prop 65); WA Appen1; WA CHCC; Minnesota HRL; Minnesota HBV	Dyes, paints, lacquers, inks, fabric	x
108-90-7	Chlorobenzene	Liver		WA Appen1; Minnesota HRL	Manufacturing of phenol, aniline, DDT, paints, dry-cleaning	x
108-91-8	Cyclohexlamine	Reproduction, Skin		HSDB; IRIS; WA Appen1	In org synthesis, manufacture of insecticides, plasticizers, emulsifying agents, dry-cleaning soaps	x
108-95-2	Phenol	Development, Eyes, Respiratory system		WA Appen1; WA CHCC; Minnesota HRL; Minnesota HRV	Disinfectants, chemical intermediate for caprolactam, biphenyl A, phenolic resins	x
109-09-1	2-Chloropyridine	Development, Liver		EPA - RBP	Chemical mfg	x
109-55-7	3-Aminopropyldimethylamine	Respiratory system, Skin		OECD - SIDS/SIAR	Corrosion inhibitor, surfactants, liquid soaps, water treatment	x
109-69-3	1-chlorobutane	Reproduction		OECD - SIDS/SIAR; WA Appen1	Solvent, production of organolithium compound, butylating agent	x
109-86-4	Ethylene glycol monomethyl ether	Blood, Cancer, Reproduction		Maine (CA Prop 65); WA Appen1; WA CHCC; Minnesota HRV	Solvent for low viscosity cellulose acetate, natural resins, dyeing leather, perfume fixative, photographic film	x

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109-89-7	Diethylamine	Eyes, Respiratory system, Skin		HSDB; NTP	Rubber chemicals, textile specialties, selective solvent, dyes, resins	x
110-00-9	Furan	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Chemical intermediate for tetrahydrofuran, used in production of pharmaceuticals, agriculture chemicals	x
110-49-6	Ethylene glycol monomethyl ether acetate	Development, Reproduction		Maine (CA Prop 65); WA Appen1	Solvent for nitrocellulose, various gums, resins, silkscreening inks, industrial solvent	
110-54-3	n-hexane	Nervous system		WA Appen1; Minnesota HRL; Minnesota HRV	Solvent for extraction of oils, thermometers, cleaning agent, abused chemical	x
110-65-6	1,4-Butynediol	Eyes, Kidney, Liver, Respiratory system, Skin		HSDB; WA Appen1	Hydrogenation to butanaediol and betenediol intermediate of synthesis of polyols, insecticides, pharmaceuticals, paint, corrosion inhibitor	x
110-71-4	Ethane, 1,2-dimethoxy- (also known as 1,2-Dimethoxyethane, or Monoglyme)	Adrenal gland, Blood, Development, Reproduction, Thymus		EPA - RBP	Industrial solvent, in lithium batteries, coatings	x
110-80-5	Ethylene glycol monoethyl ether	Development, Reproduction		Maine (CA Prop 65); WA Appen1; WA CHCC; Minnesota HRV	Solvent for nitrocellulose, lacquers and dopes, in varnish removers, cleansing solution, printing inks	x
110-86-1	Pyridine	Cancer		Maine (CA Prop 65); WA Appen1	Pharmaceuticals, vitamins, flavoring, water proofing	x
111-15-9	Ethylene glycol monoethyl ether acetate	Development, Reproduction		Maine (CA Prop 65); WA Appen1; Minnesota HRV	In automobile lacquers, chemical intermediate for synthesis of 2-ethoxyethyl cyanoacrylate, solvent in paints, inks	x
111-41-1	2-(2-aminoethylamino)ethanol (AEEA)	Development, Skin		OECD- SIDS/SIAR	Chemical intermediate for surfactants, personal care products, pharmaceuticals, cleaning agents	x

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111-42-2	Diethanolamine	Cancer		IARC 2B	soaps, shampoos, cosmetics, cleaners, chemical intermediate, humectant, softening agent	
111-44-4	Bis(2-chloroethyl)ether	Cancer		Maine (CA Prop 65; IRIS); WA Appen1; Minnesota HRL	Reagent, solvent, scavenge lead deposits in gasoline, anesthetic, pesticide mfg	x
111-76-2	2-butoxyethanol	Blood		WA Appen1; Minnesota HRV	In hydraulic fluids, coupling agent in water-based coatings, acetate esters	x
111-96-6	(bis(2-methoxyethyl)ether (Diglyme)	Blood, Development		EPA - RBP	Specialty solvent, production of plastics, manufacture of semiconductor chips, sealants	x
112-49-2	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	Reproduction		REACH Substances of Very High Concern	solvent	
112-57-2	Tetraethylenepentamine (TEPA)	Skin		OECD - SIDS/SIAR	Solvent for sulfur, acid gases, various resins and dyes, saponifying agent for acidic materials	x
114-26-1	Propoxur	Cancer		Maine (CA Prop 65); WA Appen1	Pesticide	
115-27-5	4,7-methanoisobenzofuran-1,3-dione, 4,5,6,7,8,8-hexachloro-3a,4,7,7a-tetrahydro-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Flame retardant in unsaturated polyester resins, hardener for epoxy resins, polymers for building materials	x
115-28-6	Chlorendic acid	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Flame retardant	
115-29-7	Endosulfan	Endocrine system	x	Maine (EU PBT List; OSPAR Chemicals of Concern; OSPAR Chemicals for Priority Action); WA Appen1	Pesticide (EPA phase-out proposed)	
115-32-2	Dicofol	Endocrine system	x	Maine (EPA Final PBT Rule for TRI; OSPAR Chemicals of Concern; OSPAR Chemicals for Priority Action); WA Appen1; Oregon P3 List	Pesticide	

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115-39-9	Phenol, 4,4'-(3H-2,1-benzoxathiol- 3-ylidene)bis[2,6-dibromo-, S,S-dioxide		x	Maine (Canada PBiT); WA Appen1	Indicator dye	
115-40-2	Phenol, 4,4'-(3H-2,1-benzoxathiol- 3-ylidene)bis[2-bromo-6-methyl-, S,S-dioxide		x	Maine (Canada PBiT); WA Appen1	pH indicator dye	
115-96-8	Tris(2-chloroethyl) phosphate	Cancer, Reproduction		Maine (CA Prop 65); WA Appen1; WA CHCC; REACH Substances of Very High Concern	Additive plasticizer and viscosity regulator with flame-retarding properties, in flexible urethane foam	
116-06-3	Aldicarb	Nervous system		WA Appen1; Minnesota HRL	Pesticide	
116-14-3	Tetrafluoroethylene	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Preparation of propellants for food product aerosols, monomer for polytetrafluoroethylene resins	x
116-29-0	benzene, 1,2,4-trichloro-5-[(4-chlorophenyl)sulfonyl]-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Pesticides (EPA reg. cancelled)	
116-66-5	1H-indene, 2,3-dihydro-1,1,3,3,5-pentamethyl-4,6-dinitro- (Moskene)		x	Maine (OSPAR Chemicals of Concern; Canada PBiT); WA Appen1	PAH - musk compound	
117-10-2	Dantron (Chrysazin; 1,8-Dihydroxyanthraquinone)	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Antioxidant synthetic lubricant, fungicide	
117-79-3	2-Aminoanthraquinone	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Chemical intermediate for dyes	
117-81-7	1,2-benzenedicarboxylic acid, bis(2-ethylhexyl) ester (DEHP) (DOP) (phthalate)	Cancer, Development, Endocrine system, Reproduction	x	Maine (CA Prop 65; IRIS; NTP 11th ROC; NTP CERHR; OSPAR Chemicals of Concern; EU Endocrine Disruptor; REACH Substance of Very High Concern); WA Appen1; Minnesota HRL-EPA-MCL	Plastics, imitation leather, rainwear, footwear, upholstery, flooring	x
117-82-8	Bis(2-methoxyethyl) phthalate (DMEP)	Reproduction		REACH Substances of Very High Concern	plasticizer	

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118-74-1	Hexachlorobenzene	Cancer, Development, Endocrine system	x	Maine (CA Prop 65; IRIS; NTP 11th ROC; OSPAR Chemicals of Concern; EU Endocrine Disruptor; EPA Final PBT Rule for TRI; TRI PBT Chemical List; EPA Priority PBT; NWM Priority Chemicals; WA PBT List; Canada PBiT); WA Appen1; WA CHCC; Oregon P3 List; Minnesota HRL	Pesticide (EPA reg. cancelled), plasticizer	
118-79-6	2,4,6-tribromophenol	Eyes, Kidney		OECD - SIDS/SIAR	Flame retardant	x
118-96-7	2,4.6-Trinitrotoluene (TNT)	Cancer		CA Prop 65; WA Appen1	Explosive	
119-34-6	4-Amino-2-nitrophenol	Cancer		Maine (CA Prop 65); WA Appen1	Dyeing furs, hair dyes, etching copper printing plates	
119-47-1	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	Reproduction		OECD - SIDS/SIAR	Stabilizer, antioxidant in rubber industry	x
119-61-9	Benzophenone	Kidney, Liver		NTP	Fixative for heavy perfumes, paints, lacquers, varnish, cosmetics, UV absorbers, occurs naturally in some foods	x
119-64-2	1,2,3,4-Tetrahydronaphthalene (Tetralin)	Blood, Skin, Spleen		OECD - SIDS/SIAR	Solvent and industrial intermediate	x
119-90-4	3,3'-Dimethoxybenzidine (o-Dianisidine)	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Chemical intermediate, used in dyeing leather, paper plastic	
119-93-7	3,3'-Dimethylbenzidine (ortho-Tolidine)	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1; WA CHCC	Chemical intermediate for azo dyes, curing agent for urethane resins	
120-12-7	Anthracene		x	Maine (NWM Priority Chemicals; EU PBT List; OSPAR Chemicals of Concern; REACH Substances of Very High Concern); WA Appen1; Oregon P3 List; Minnesota HRL	Production of anthraquinone, for dyes, syn fibers, plastics, dyes,	
120-47-8	Ethyl 4-hydroxybenzoate	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1; WA CHCC	Preservative	

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120-71-8	p-Cresidine	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Chemical intermediate for dyes	
120-80-9	Catechol	Cancer		Maine (CA Prop 65); WA Appen1	Antioxidant in rubber, chemical, photographic, dye, fat, oil, anti-fungal preservative, photographic developer	x
120-82-1	1,2,4-Trichlorobenzene		x	Maine (NWM Priority Chemicals; EU PBT List; OSPAR Chemicals of Concern; OSPAR Chemicals for Priority Action); WA Appen1	Dye carrier, degreasing agent, pesticide (not EPA registered)	x
120-83-2	2,4-Dichlorophenol	Immune system		WA Appen1; Minnesota HRL	Synthesis of antihelminthics, feedstock for mothproofing antiseptics, organic chemical synthesis	
120-95-6	phenol, 2,4-bis(1,1-dimethylpropyl)-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Chemical intermediate for aryl acid chlorides	x
121-14-2	benzene, 1-methyl-2,4-dinitro- 9 (2,4-Dinitrotoluene)	Cancer, Reproduction	x	Maine (CA Prop 65; OSPAR Chemicals of Concern); WA Appen1; REACH Substances of Very High Concern	Chemicals intermediate for gelatinizing and waterproofing agent, explosives intermediate, rubber chemicals, plastics mfg	
121-69-7	N-N-Dimethylaniline	Blood, Spleen		IRIS; WA Appen1	Manufacture of dyes, vanillin	
121-75-5	Malathion	Nervous system		IRIS; WA Appen1	Pesticide	
121-82-4	Cyclonite (RDX)	Reproduction		ATSDR; HSDB; WA Appen1	Explosive, rat poison, base charge for detonators	x
122-14-5	Fenitrothion	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	Pesticide	
122-34-9	Simazine	Blood		WA Appen1; Minnesota HRL-EPA -MCL	Pesticide	
122-39-4	N,N-Diphenylamine	Kidney, Liver		IRIS; WA Appen1	Mfg dyes, rubber antioxidants and stabilizers	x
122-42-9	Propham	Nervous system, Spleen		IRIS; WA Appen1	Pesticide (EPA reg. cancelled)	

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122-60-1	Phenyl glycidyl ether	Cancer		Maine (CA Prop 65); WA Appen1	Stabilizer of halogenated compounds, plasticizer for epoxy resins, monomer for photoreactive polymers	
122-66-7	Hydrazobenzene (1,2-Diphenylhydrazine)	Cancer		Maine (CA Prop 65; IRIS; NTP 11th ROC); WA Appen1	Chemical intermediate for benzidine, synthesis of phenylbutazone, additive to motor oil	
123-38-6	Propionaldehyde	Skin		HSDB; WA Appen1	Manufacture of propionic acid, polyvinyl plastics	x
123-39-7	N-Methylformamide	Development, Liver		HSDB	Intermediate in synthesis of pesticides, methyl isocyanate mfg	x
123-72-8	Butyraldehyde	Eyes, Respiratory system, Skin		HSDB	Rubber accelerators, synthesis of resins, solvents, plasticizers	x
123-77-3	Azodicarboxamide	Respiratory system, Skin		HSDB	Foaming agent for plastics, blowing agent for synthetic, natural rubber	x
123-91-1	1,4-Dioxane	Cancer, Eyes, Respiratory system		Maine (CA Prop 65; IRIS; NTP 11th ROC); WA Appen1; WA CHCC; Minnesota HRV	Stabilizer for chlorinated solvents, solvent, wetting and dispersing agent, solvent of pulping wood	x
124-40-3	Dimethylamine	Eyes, Respiratory system, Skin		HSDB; WA Appen1;	Accelerator in vulcanizing rubber, detergents, pesticides	x
124-48-1	Dibromochloromethane	Liver		WA Appen1; Minnesota HRL	Chemical intermediate, reagent	
124-58-3	Monomethylarsonic acid (methylarsonic acid; MMA) (arsenic compound)	Cancer		IARC 2B	former herbicide	
125-31-5	Phenol, 4,4'-(3H-2,1-benzoxathiol- 3-ylidene)bis[2,5-dimethyl-, S,S-dioxide (Xylenol Blue)		x	Maine (Canada PBiT); WA Appen1	Reagent	
126-33-0	Tetrahydrothiophene 1,1-dioxide	Development, Kidney, Reproduction		OECD - SIDS/SIAR	Solvent for aromatics extraction in petroleum refining, curing agent, pharmaceutical	x
126-72-7	Tris(2,3-dibromopropyl)phosphate (tris)	Cancer		Maine (CA Prop 65; IARC; NTP 11th ROC); WA Appen1	Flame retardant	
126-73-8	Tributyl phosphate (TBP)	Bladder		OECD - SIDS/SIAR; WA Appen1	Plasticizer, hydraulic fluid, antifoam agent, extratant	x

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126-98-7	Methylacrylonitrile	Liver		HSDB; IRIS; WA Appen1	In preparation of homopolymers and copolymers, vinyl nitrile monomer	
126-99-8	Chloroprene	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Component of adhesives, artificial rubber mfg, neoprene	
127-18-4	Tetrachloroethylene (Perchloroethylene)	Cancer, Eyes, Nervous system, Respiratory system		Maine (CA Prop 65; IARC; NTP 11th ROC); WA Appen1; WA CHCC; Minnesota HRV	Textile industry for dry-cleaning, processing, finishing, scouring, solvent	x
127-19-5	N,N-dimethylacetamide (DMAc)	Reproduction		REACH Substances of Very High Concern	solvent	
128-03-0	Potassium dimethyldithiocarbamate	Development		Maine (CA Prop 65); WA Appen1	Pesticide	
128-04-1	Sodium dimethyldithiocarbamate	Development		Maine (CA Prop 65); WA Appen1	Vulcanizing agent, corrosion inhibitor, water treatment, biocide	x
128-37-0	2,6-di-tert.-butyl-p-cresol (BHT) Butylated Hydroxytoluene	Liver, Thyroid		OECD - SIDS/SIAR	Antioxidant for synthetic rubbers, plastics, soaps, used in packaging	x
128-63-2	pyrene, 1,3,6,8-tetrabromo-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	PAH	
128-69-8	perylo[3,4-cd:9,10-c'd']dipyran-1,3,8,10-tetrone		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Paint, lacquers, varnishes (pigment)	
128-83-6	9,10-anthracenedione, 1-amino-2-bromo-4-[(4-methylphenyl)amino]- (CI 62100)		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Pigment	
129-00-0	Pyrene	Kidney	x	Maine (NWM Priority Chemicals; OSPAR Chemicals of Concern); WA Appen1; Oregon P3 List; Minnesota HRL	Research, optical brighteners and dyes	
129-15-7	2-Methyl-1-nitroanthraquinone (of uncertain purity)	Cancer		Maine (CA Prop 65); WA Appen1	Preparation of dyes	
129-43-1	1-Hydroxyanthraquinone	Cancer		Maine (CA Prop 65); WA Appen1	Production of dyes and pharmaceuticals	
129-73-7	benzenamine, 4,4'-(phenylmethylene)bis[N,N-dimethyl- (Leucomalachite green)		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Dye	
131-11-3	Dimethyl phthalate	Kidney		WA Appen1; WA CHCC; Minnesota HRL	Solvent, plasticizer, pharmaceutical, pesticide (EPA reg. cancelled)	x

CAS Number	Chemical Name	Health endpoint(s)	Persistent, Bioaccumulative, Toxic (PBT) or very Persistent, very Bioaccumulative (vPvB)	Source(s)	Use example(s) or class	HPV (2006 and 3 of 4 years)[1,2]
131-17-9	Diallyl phthalate	Kidney, Liver		OECD - SIDS/SIAR	Plasticizer, stabilizer, dye carrier	x
131-18-0	Di-n-pentylphthalate (DPP) = Dipentylphthalate	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	Plasticizer	
131-55-5	Benzophenone-2 (Bp-2), 2,2',4,4'-tetrahydroxybenzophenone	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1; WA CHCC	UV screen	
131-56-6	2,4-Dihydroxybenzophenon = Resbenzophenone	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	UV screen	
131-70-4	Mono-n-butylphthalate (MPB) (MBuP)	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	Plasticizer	
131-89-5	Dinex	Eyes		IRIS; WA Appen1	Pesticide (not EPA registered)	
132-27-4	o-Phenylphenate, sodium	Cancer		Maine (CA Prop 65); WA Appen1	Pesticide	
132-64-9	Dibenzofuran		x	Maine (NWM Priority Chemicals); WA Appen1	Heat transfer oil, dye, printing textiles	
132-65-0	Dibenzothiophene		x	Maine (OSPAR Chemicals of Concern); WA Appen1	From petroleum, in cosmetic and pharmaceuticals, intermediate	
133-06-2	Captan	Cancer		Maine (CA Prop 65); WA Appen1	Pesticide	
133-07-3	Folpet	Cancer		Maine (CA Prop 65; IRIS); WA Appen1	Pesticide	
133-49-3	Pentachlorobenzenethiol		x	Maine (EU PBT; OSPAR Chemicals of Concern; Canada PBiT); WA Appen1	Peptizer for synthetic and natural rubbers	
133-90-4	Chloramben	Liver		Minnesota HRL; WA Appen1	Pesticide (EPA reg. cancelled)	
134-29-2	o-Anisidine hydrochloride	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Chemical intermediate for dyes and pharmaceuticals	
134-32-7	1-Naphthylamine	Cancer		Maine (CA Prop 65); WA Appen1	Chemical intermediate for dyes, agriculture chemicals	
135-20-6	Cupferron	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Reagent	
135-63-7	2-Naphthalenecarboxamide, N-(5-chloro-2-methylphenyl)-3-hydroxy-(Naphthanilid KB)		x	Maine (Canada PBiT); WA Appen1		
135-91-1	Benzenamine, 4,4'-methylenebis[N,N-diethyl-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Chemical intermediate	

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136-35-6	Diazoaminobenzene	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Organic chemical synthesis, dyes, insecticide	
136-45-8	Di-n-propyl isocinchomeronate (MGK Repellent 326)	Cancer		Maine (CA Prop 65); WA Appen1	Pesticide	
137-26-8	Tetramethyl thiuram disulfide (TMTD); (Thiram)	Body weight, Development, EU Endocrine Disruptor, Liver, Skin		Maine (EU Endocrine Disruptor); WA Appen1; EPA - HC	For vulcanization of rubbers products and tires, pesticides	x
137-42-8	Metham sodium	Cancer, Development, Endocrine system		Maine (CA Prop 65; EU Endocrine Disruptor); WA Appen1	Pesticide	
138-93-2	Disodium cyanodithioimidocarbonate	Development		Maine (CA Prop 65); WA Appen1	Antimicrobial agent	
139-13-9	Nitrilotriacetic acid	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Chelating and sequestering agent, detergents,	
139-40-2	Propazine	Body Weight		IRIS; WA Appen1	Pesticide	
139-60-6	1,4-benzenediamine, N,N'-bis(1-ethyl-3-methylpentyl)-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Fuel additive	
139-65-1	4,4'-Thiodianiline	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Chemical intermediate for dyes, pharmaceutical	
139-91-3	5-(Morpholinomethyl)-3-[(5-nitrofurfurylidene)-amino]-2-oxazolidinone (Furaltadone)	Cancer		Maine (CA Prop 65); WA Appen1	Animal feed additive	
140-57-8	Aramite	Cancer		Maine (CA Prop 65; IRIS); WA Appen1	Antimicrobial	
140-66-9	4-(1,1,3,3-Tetramethylbutyl)phenol (p-octaphenol)		x	Maine (EU Endocrine Disruptor; OSPAR Chemicals of Concern; OSPAR Chemicals for Priority Action); WA Appen1; WA CHCC	Chemical intermediate for surfactants	x
140-67-0	Estragole	Cancer		Maine (CA Prop 65); WA Appen1; WA CHCC	Flavoring, fragrance	x
140-88-5	Ethyl acrylate	Cancer		Maine (CA Prop 65); WA Appen1	Component in latex paints, in plastics and coatings	x
141-66-2	Dicrotophos	Development		IRIS; WA Appen1	Pesticide	
142-59-6	Nabam	Development		Maine (CA Prop 65); WA Appen1	Pesticide	
142-83-6	2,4-Hexadienal (89% trans, trans isomer; 11% cis, trans isomer)	Cancer		Maine (CA Prop 65); WA Appen1		

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143-33-9	Sodium cyanide	Cardiovascular system, Liver, Nervous system, Thyroid		ATSDR; HSDB; WA Appen1	Cleaning metals, dyes, electroplating solutions, brighteners	x
143-50-0	Chlordecone (Kepone)	Cancer, Development, Endocrine system	x	Maine (CA Prop 65; NTP 11th ROC; EU Endocrine Disruptor; WA PBT List; OSPAR Chemicals of Concern); WA Appen1; Oregon P3 List	Pesticide (not EPA registered), kelevan mfg	
145-39-1	Benzene, 1-(1,1-dimethylethyl)-3,4,5-trimethyl-2,6-dinitro- (Musk tibetine)		x	Maine (Canada PBiT); WA Appen1; Oregon P3 List	Fragrances	
145-73-3	Endothal	Gastrointestinal system		IRIS; WA Appen1	Pesticide	
148-18-5	Ditiocarb sodium	Body Weight, Eyes		IRIS; WA Appen1	Corrosion inhibitor, rubber accelerator	
148-82-3	Melphalan	Cancer, Development		Maine (CA Prop 65; IARC; NTP 11th ROC); WA Appen1	Insect chemosterilant and drug	
149-30-4	Mercaptobenzothiazole	Eyes, Skin		HSDB	Fungicide, vulcanization agent for rubber, pharmaceutical	x
149-57-5	2-Ethylhexanoic acid	Development		CA Prop 65; WA Appen1; WA CHCC	Cosolvent in pesticides, defoamer	x
150-50-5	Merphos	Nervous system		IRIS; WA Appen1	Pesticide defoliant (EPA reg. cancelled)	x
151-50-8	Potassium cyanide	Body Weight, Nervous system, Thyroid		IRIS; WA Appen1	Electroplating, steel hardening	
151-56-4	Ethyleneimine	Cancer		Maine (CA Prop 65); WA Appen1	Manufacture of melamine, paper and textile chemicals, adhesive binders, insect chemosterilizaton	
153-78-6	2-Aminofluorene	Cancer		Maine (CA Prop 65); WA Appen1	Research	
154-42-7	Thioguanine	Development		Maine (CA Prop 65); WA Appen1	For genetic marker in research, pharmaceutical	
156-10-5	p-Nitrosodiphenylamine	Cancer		Maine (CA Prop 65); WA Appen1	Accelerator for rubber vulcanization, chemical intermediate for dyes	
156-59-2	cis-1,2-Dichloroethene	Blood		WA Appen1; Minnesota HRL	Solvent, chemical intermediate	

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156-60-5	trans-1,2-Dichloroethylene	Liver		WA Appen1; IRIS; Minnesota HRL	Solvent for waxes, resins, and acetylcellulose, solvent for fats, phenols, camphor	x
189-55-9	Benzo(r,s,t)pentaphene	Cancer	x	Maine (CA Prop 65; NTP 11th ROC; EPA Final PBT Rule for TRI; WA PBT List; OSPAR Chemicals of Concern); WA Appen1	Research, experimental carcinogen	
189-64-0	Dibenzo(a,h)pyrene	Cancer	x	Maine (CA Prop 65; NTP 11th ROC; EPA Final PBT Rule for TRI; OSPAR Chemicals of Concern; WA PBT LIST); WA Appen1	Experimental carcinogen, in exhaust, tobacco smoke, urban air	
191-07-1	Coronene		x	Maine (OSPAR Chemicals of Concern); WA Appen1		
191-24-2	Benzo(g,h,i)perylene		x	Maine (EPA Final PBT Rule for TRI; TRI PBT Chemical List; NWM Priority Chemicals; WA PBT List; OSPAR Chemicals of Concern); WA Appen1; Oregon P3 List	Research, combustion by-product	
191-26-4	dibenzo[def,mno]chrysene		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Experimental carcinogen, in exhaust, cigarette smoke	
191-30-0	Dibenzo(a,i)pyrene	Cancer	x	Maine (CA Prop 65; IARC; NTP 11th ROC; EPA Final PBT Rule for TRI; OSPAR Chemicals of Concern); WA Appen1	Experimental carcinogen, combustion by-product	
192-65-4	Dibenzo(a,e)pyrene	Cancer	x	Maine (CA Prop 65; NTP 11th ROC; EPA Final PBT Rule for TRI; WA PBT List; OSPAR Chemicals of Concern); WA Appen1	Experimental carcinogen, in fossil fuels, tobacco smoke, gasoline exhaust	
192-97-2	benzo[e]pyrene		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Biochemical research, in coal tar	
193-39-5	Indeno(1,2,3-cd)pyrene	Cancer	x	Maine (CA Prop 65; IRIS; NTP 11th ROC; EPA Final PBT Rule for TRI; WA PBT List); WA Appen1; Oregon P3 List	Research, combustion by-product	

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194-59-2	7H-Dibenzo(c,g)carbazole	Cancer	x	Maine (CA Prop 65; NTP 11th ROC; EPA Final PBT Rule for TRI; WA PBT List); WA Appen1	Combustion by product	
195-19-7	Benzo[c]phenanthrene		x	Maine (OSPAR Chemicals of Concern); WA Appen1		
198-55-0	Perylene [Polycyclic aromatic hydrocarbons (PAHs)]		x	Maine (WA PBT List; OSPAR Chemicals of Concern); WA Appen1	Organic semiconductors mfg	
205-82-3	Benzo(j)fluoranthene	Cancer	x	Maine (CA Prop 65; NTP 11th ROC; EPA Final PBT Rule for TRI; WA PBT List); WA Appen1	Cancer research	
205-99-2	Benzo(b)fluoranthene	Cancer	x	Maine (CA Prop 65; NTP 11th ROC; EPA Final PBT Rule for TRI; IRIS; WA PBT List); WA Appen1; Oregon P3 List	Research, combustion by-product	
206-44-0	Benzo(j,k)fluorene (fluoranthene)	Kidney, Liver	x	Maine (EPA Final PBT Rule for TRI; WA PBT List; OSPAR Chemicals of Concern); Oregon P3 List; WA Appen1; Minnesota HRL	Lining materials from coal tar and asphalt, research, fluorescent dyes, stabilizer in epoxy adhesives	
207-08-9	Benzo(k)fluoranthene	Cancer	x	Maine (CA Prop 65; IRIS; NTP 11th ROC; EPA Final PBT Rule for TRI; WA PBT List; OSPAR Chemicals of Concern); WA Appen1; Oregon P3 List	Combustion by-product	
208-96-8	Acenaphthylene		x	Maine (NWM Priority Chemicals); WA Appen1	From oil furnace black	
215-58-7	Benzo[b]triphenylene		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Combustion by-product	
217-59-4	Triphenylene		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Combustion by-product	
218-01-9	Benzo(a)phenanthrene	Cancer	x	Maine (CA Prop 65; IRIS; EPA Final PBT Rule for TRI; WA PBT List; OSPAR Chemicals of Concern); WA Appen1; Oregon P3 List	Distillation of coal tar	
224-41-9	Dibenz[a,j]anthracene		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Combustion	

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224-42-0	Dibenz(a,j)acridine	Cancer	x	Maine (CA Prop 65; NTP 11th ROC; EPA Final PBT Rule for TRI; WA PBT List); WA Appen1	Biochemical research, tobacco smoke and urban air	
226-36-8	Dibenz(a,h)acridine	Cancer	x	Maine (CA Prop 65; NTP 11th ROC; EPA Final PBT Rule for TRI; WA PBT List); WA Appen1	Biochemical research, tobacco smoke and urban air	
271-89-6	Benzofuran	Cancer		Maine (CA Prop 65); WA Appen1	Coumarone-indene resins (plastic) mfg, water resistance, processing coal tar into coal oil	
294-62-2	Cyclododecane		x	Maine (EU PBT List; OSPAR Chemicals of Concern; OSPAR Chemicals for Priority Action; REACH Substances of Very High Concern); WA Appen1	Intermediate in production of polyamides, polyesters, nylon 12	x
297-78-9	4,7-methanoisobenzofuran, 1,3,4,5,6,7,8,8-octachloro-1,3,3a,4,7,7a-hexahydro-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Insecticide	
298-00-0	Methyl parathion	Blood		IRIS; WA Appen1	Pesticide	
298-04-4	Disulfoton	Nervous system		WA Appen1; Minnesota HRL	Insecticide	
298-81-7	8-Methoxypsoralen with ultraviolet A therapy	Cancer		Maine (CA Prop 65; IARC; NTP 11th ROC); WA Appen1	Photoactive agent, pharmaceutical	
300-76-5	Naled	Nervous system		IRIS; WA Appen1	Pesticide, disinfectant	
301-04-2	Lead acetate	Cancer, Reproduction		Maine (CA Prop 65; EU Reproductive toxicant); WA Appen1	Mordent, varnishes, lead driers, chrome pigments	
301-12-2	Oxydemeton methyl	Reproduction		Maine (CA Prop 65); WA Appen1	Pesticide	
302-01-2	Hydrazine	Cancer		Maine (CA Prop 65; IRIS; NTP 11th ROC); WA Appen1; Minnesota HRV	Oxygen scavenger, propellant, reagent, reducing agent	x (2006)
302-17-0	Chloral Hydrate	Cancer		IARC 2A	chemical reagent, manufacture of DDT, sedative	
302-79-4	All-trans retinoic acid	Development		Maine (CA Prop 65); WA Appen1	Research	
303-34-4	Lasiocarpine	Cancer		Maine (CA Prop 65); WA Appen1	Research	

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303-47-9	Ochratoxin A	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Research, natural metabolite of molds - toxic	
306-83-2	2,2-Dichloro-1,1,1-trifluoroethane	Adrenal, Eyes, Liver, Pancreas, Reproduction		EPA - HC	Refrigerant, air conditioning, fire fighting	x
307-55-1	Tricosafluorododecanoic acid		x	REACH Substances of Very High Concern (vPvB)	prodction of fluoropolymers and fluorotelomers	
309-00-2	Aldrin	Cancer	x	Maine (CA Prop 65; IRIS; EPA Final PBT Rule for TRI; TRI PBT Chemical List; EPA Priority PBT; WA PBT List; OSPAR Chemicals of Concern); WA Appen1	Pesticide (EPA reg. cancelled)	
315-22-0	Monocrotaline	Cancer		Maine (CA Prop 65); WA Appen1	Dye, pharmaceutical	
319-84-6	alpha-Hexachlorocyclohexane (alpha-HCH)	Cancer	x	Maine (IRIS); WA Appen1; Oregon P3 List	Component of benzene hexachloride	
319-85-7	beta-HCH	Endocrine system	x	Maine (OSPAR Chemicals of Concern; EU Endocrine Disruptor); WA Appen1; Oregon P3 List	Pesticide (not EPA registered)	
327-98-0	phosphonothioic acid, ethyl-, O-ethyl O-(2,4,5-trichlorophenyl) ester		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Pesticide (not EPA registered)	
330-54-1	Diuron	Cancer		Maine (CA Prop 65); WA Appen1	Pesticide	
330-55-2	Linuron	Blood, Cancer, Endocrine system	x	Maine (CA Prop 65; EU Endocrine Disruptor); WA Appen1; Oregon P3 List; Minnesota HRL	Pesticide	
331-39-5	Caffeic acid	Cancer		Maine (CA Prop 65); WA Appen1	Natural compound, research	
333-41-5	Diazinon		x	WA Appen1; Oregon P3 List	Pesticide	
335-57-9	heptane, hexadecafluoro-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Electrical engineering applications	
335-66-0	Perfluorooctanoic Acid (PFOA) and Salts	Development, Immune system, Liver	x	Minnesota HRL	Anti-stain coatings	
335-67-1	Perfluorooctanoic Acid (PFOA) and Salts	Development, Immune system, Liver	x	Oregon P3 List; Minnesota HRL	Anti-stain coatings	
335-93-3	Perfluorooctanoic Acid (PFOA) and Salts	Development, Immune system, Liver	x	Minnesota HRL	Anti-stain coatings	

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335-95-5	Perfluorooctanoic Acid (PFOA) and Salts	Development, Immune system, Liver	x	Minnesota HRL	Anti-stain coatings	
355-42-0	hexane, tetradecafluoro- (Perflexane)		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Electrical engineering applications, solvent, heat transfer	
355-43-1	hexane, 1,1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-6-iodo-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Used in chemical synthesis	
373-02-4	Nickel acetate	Cancer		Maine (CA Prop 65); WA Appen1	Mordant in the textile industry	
375-22-4	Perfluorobutyrate (PFBA)	Development, Liver, Thyroid		Minnesota HBV	Use in photographic film	
375-72-4	1-butanesulfonyl fluoride, 1,1,2,2,3,3,4,4,4-nonafluoro-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Chemical synthesis, chemical intermediate	
375-73-5	Perfluorobutane sulfonate (PFBS)	Blood, Kidney, Liver		Minnesota HBV	Surfactant	
375-85-9	Perfluoroheptanoic acid [PFHpA]		x	Oregon P3 List	Anti-stain coatings	
375-95-1	Perfluorononanoic acid [PFNA]		x	Oregon P3 List	Anti-stain coatings	
376-06-7	Heptacosafluorotetradecanoic acid		x	REACH Substances of Very High Concern (vPvB)	prodction of fluoropolymers and fluorotelomers	
379-52-2	Stannane, fluorotriphenyl-		x	Maine (Canada PBiT); WA Appen1	Antifouling	
420-04-2	Cyanamide	Liver, Skin		HSDB	Raw materials for melamine and guanidine, herbicide	x
423-50-7	1-hexanesulfonyl fluoride, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Chemical synthesis, chemical intermediate	
427-45-2	stannane, fluorotris-p-chlorophenyl-		x	Maine (OSPAR Chemicals of Concern); WA Appen1		
434-90-2	Decafluorobiphenyl		x	Oregon P3 List	Analytical internal standard	
443-48-1	Metronidazole	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Pesticide (EPA reg. cancelled), pharmaceutical	
460-19-5	Cyanogen	Nervous system, Thyroid, Weight Loss		IRIS; WA Appen1	Fuel gas for welding and cutting	
465-73-6	Isodrin		x	Maine (EPA Final PBT Rule for TRI; TRI PBT Chemical List; OSPAR Chemicals of Concern; OSPAR Chemicals for Priority Action); WA Appen1; Oregon P3 List	Pesticide (not EPA registered)	
475-26-3	benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-fluoro-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Pesticide (not EPA registered)	

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475-71-8	Benzo[h]benz[5,6]acridino[2,1,9,8-klmna]acridine-8,16-dione		x	Maine (Canada PBiT); WA Appen1	Pigment	
484-20-8	5-Methoxypsoralen with ultraviolet A therapy	Cancer		Maine (CA Prop 65; IARC); WA Appen1	Fragrances, suntan, pharmaceutical	
492-80-8	Auramine	Cancer		Maine (CA Prop 65); WA Appen1	Dye, pesticide (EPA reg. cancelled), pharmaceutical	
496-72-0	3,4-toluenediamine (3,4-TDA)	Body weight, Development, Genotoxic, Kidney, Liver, Respiratory system		OECD - SIDS/SIAR	Chemical intermediate, research, former hair dye	x
497-39-2	phenol, 2,4-bis(1,1-dimethylethyl)-5-methyl-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Chemical intermediate for rubber chemicals, phenolic resins	
505-60-2	Mustard Gas	Cancer		Maine (CA Prop 65; IARC; NTP 11th ROC); WA Appen1	Vesicant in chemical, warfare, organic synthesis, poison gas	
506-61-6	Potassium silver cyanide	Nervous system, Thyroid, Weight Loss		IRIS; WA Appen1	Used in silver plating	
506-77-4	Chlorine cyanide	Nervous system, Thyroid, Weight Loss		IRIS; WA Appen1	Tear gas, warning agent, chemical synthesis	
509-14-8	Tetranitromethane	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Rocket fuel, propellant	
509-34-2	Spiro[isobenzofuran-1(3H),9'-[9H]xanthen]-3-one, 3',6'-bis(diethylamino)- (Solvent Red 49)		x	Maine (Canada PBiT); WA Appen1	Solvent red 49, heat transfer fluids	
510-15-6	Benzeneacetic acid, 4-chloro-.alpha.-(4-chlorophenyl)-.alpha.-hydroxy-, ethyl ester	Cancer	x	Maine (CA Prop 65; OSPAR Chemicals of High Concern); WA Appen1	Pesticide (EPA reg. cancelled)	
512-56-1	Trimethyl phosphate	Cancer		Maine (CA Prop 65); WA Appen1	Control of spark fouling, gasoline additive, chemical intermediate	
513-37-1	Dimethylvinylchloride	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Organic synthesis	
515-03-7	1-Naphthalenepropanol, α-ethenyldecahydro- 2-hydroxy-α,2,5,5,8a-pentamethyl-, [1R-[1α(R),2ß,4aß,8aα]]-		x	Maine (Canada PBiT); WA Appen1	Perfume, cosmetics	
527-20-8	benzenamine, 2,3,4,5,6-pentachloro-		x	Maine (OSPAR Chemicals of Concern); WA Appen1		
528-29-0	o-Dinitrobenzene	Reproduction		Maine (CA Prop 65); WA Appen1	Synthesis of dyestuffs, explosives	

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531-82-8	N-[4-(5-Nitro-2-furyl)-2-thiazolyl]acetamide	Cancer		Maine (CA Prop 65); WA Appen1		
531-85-1	Benzidine dihydrochloride	Cancer		Maine (EU Carcinogen)	Chromogen	
531-86-2	Benzidine sulfate	Cancer		Maine (EU Carcinogen)	Dye	
532-27-4	2-Chloroacetophenone	Respiratory system		WA Appen1; Minnesota HRV	Riot control gas, alcohol denaturant, pharmaceutical intermediate, tear gas	
540-73-8	1,2-Dimethylhydrazine	Cancer		Maine (CA Prop 65; IARC); WA Appen1	Research, production of photographic chemicals	
540-97-6	Cyclohexasiloxane, dodecamethyl-		x	Maine (Canada PBiT); WA Appen1		x
541-02-6	Cyclopentasiloxane, decamethyl-		x	Maine (Canada PBiT); WA Appen1; Oregon P3 List	Hair preparations, antiperspirants, high purity silicone fluid, cosmetics, toiletries	x
542-56-3	Isobutyl nitrite	Cancer		Maine (CA Prop 65); WA Appen1	Chemical intermediate	
542-75-6	1,3-Dichloropropene	Cancer, Respiratory system		Maine (CA Prop 65; IRIS; NTP 11th ROC); WA Appen1; Minnesota HRL; Minnesota HRV	Pesticide	
542-88-1	Bis(chloromethyl)ether	Cancer		Maine (CA Prop 65; IARC; EU Carcinogen; IRIS; NTP 11th ROC); WA Appen1; Minnesota HRL; Minnesota HRV	Reagent, ion-exchange resins, plastics mfg	
544-92-3	Copper cyanide	Body Weight, Kidney, Liver		IRIS; WA Appen1	Electroplating	
550-44-7	H-Isoindole-1,3(2H)-dione, 2-methyl-	Body Weight, Development, Liver		EPA - HC	Organic synthesis, high molecular weight polyetherimide polymers	x
552-30-7	Trimellitic Anhydride (TMA)	Respiratory system		OECD - SIDS/SIAR	Plasticizers, adhesives, polymers, dyes	x
554-13-2	Lithium carbonate	Development		Maine (CA Prop 65); WA Appen1	Pharmaceutical, production of glazes on ceramic and electrical porcelain, catalyst	
556-52-5	Glycidol	Cancer		Maine (CA Prop 65; IARC; NTP 11th ROC); WA Appen1	Alkylating agent, chemical intermediate for pharmaceuticals, cosmetics, stabilizer for natural oils	

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556-67-2	Cyclotetrasiloxane, octamethyl-	Endocrine system	x	Maine (EU Endocrine Disruptor; Canada PBiT); WA Appen1; WA CHCC; Oregon P3 List	Preparation of methyl silicon oils, silicon fluid mixtures	x
557-05-1	Zinc Stearate	Respiratory system		HSDB; WA Appen1	Dusting powders, pharmaceutical, astringent	x
557-21-1	Zinc cyanide	Nervous system, Thyroid, Weight Loss		IRIS; WA Appen1	Electroplating, metal plating	
559-11-5	2-propenoic acid, 2,2,3,3,4,4,5,5,6,6,7,		x	Maine (OSPAR Chemicals of Concern); WA Appen1		
563-12-2	Ethion	Nervous system		IRIS; WA Appen1	Pesticide (EPA reg. cancelled)	
563-47-3	3-Chloro-2-methylpropene	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Pesticide mfg	x
563-80-4	3-Methyl-2-butanone	Development, Kidney		EPA - HC	Solvent for nitrocellulose lacquers	x
569-61-9	C.I. Basic Red 9 monohydrochloride	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Textile dye, leather, paper, stain	
576-26-1	2,6-Dimethylphenol	Body weight, kidney, liver, spleen		IRIS; WA Appen1	Starting material for phenolic resins	x
576-53-8	1,2,3,6,7,8 Hexachlorodibenzop-dioxin [Polychlorinated dibenzo-pdioxins]		x	Maine (WA PBT List)	Dioxin	
583-78-8	2,5-Dichlorophenol	Blood, Liver		HSDB	Chemical intermediate for dicamba	x
584-84-9	Toluene 2,4-diisocyanate	Eyes, Respiratory system, Skin		HSDB	Polyurethane foams, elastomers, coatings, hardener for polyurethane adhesives and finishes	x
590-96-5	Methylazoxymethanol	Cancer		Maine (CA Prop 65); WA Appen1	Biological methylating agent	
591-78-6	Methyl n-butyl ketone	Development		CA Prop 65; WA Appen1	Solvent used in paints, lacquers, thinners	
592-01-8	Calcium cyanide	Nervous system, Thyroid, Weight Loss		IRIS; WA Appen1	In stainless steel mfg, pesticide (EPA reg. cancelled)	
592-62-1	Methylazoxymethanol acetate	Cancer		Maine (CA Prop 65); WA Appen1	Research	

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593-60-2	Vinyl bromide	Cancer		Maine (CA Prop 65; IARC; NTP 11th ROC); WA Appen1	Comonomer with acrylonitrile for fabrics, granular products, used in leather and fabricated metal products	
598-55-0	Methyl carbamate	Cancer		Maine (CA Prop 65); WA Appen1	Pharmaceutical intermediate, intermediate in mfg of dimethylol methyl carbamate resins	
598-78-7	2-Chloropropanoic acid	Reproduction		CA Prop 65	Chemical intermediate in pesticide mfg	
602-87-9	5-Nitroacenaphthene	Cancer		Maine (CA Prop 65); WA Appen1	Chemical intermediate for naphthalimide, a whitening agent	
603-33-8	Bismuthine, triphenyl-		x	Maine (Canada PBiT); WA Appen1		
603-48-5	Benzenamine, 4,4',4''-methylidynetris[N,N-dimethyl-		x	Maine (Canada PBiT); WA Appen1		
606-20-2	2,6-Dinitrotoluene	Cancer		Maine (CA Prop 65); WA Appen1	Chemical intermediate for toluene-2,6-diamine, gelatinizing and waterproofing agent	
607-57-8	2-Nitrofluorene	Cancer		Maine (CA Prop 65); WA Appen1		
608-71-9	phenol, pentabromo-		x	Maine (OSPAR Chemicals of Concern; Canada PBiT); WA Appen1	Flame retardant	
608-73-1	cyclohexane, 1,2,3,4,5,6-hexachloro- (HCH)	Cancer	x	Maine (EU Endocrine disruptors; IRIS; OSPAR Chemicals of Concern); WA Appen1	Pesticide (EPA reg. cancelled)	
608-93-5	Pentachlorobenzene	Endocrine system	x	Maine (EPA Final PBT Rule for TRI; TRI PBT Chemical List; NWM Priority Chemicals; WA PBT List; OSPAR Chemicals of Concern; EU Endocrine Disruptor; Canada PBiT); WA Appen1; WA CHCC; Oregon P3 List	Chemical intermediate for pentachloronitrobenzene	

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611-19-8	1-chloro-2-(chloromethyl)benzene (ochlorobenzyl chloride; OCBC)	Kidney, Respiratory system		OECD - SIDS/SIAR	Chemical intermediate	x
611-99-4	4,4'-Dihydroxybenzophenon	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	Plastic monomer	
612-82-8	3,3'-Dimethylbenzidine dihydrochloride	Cancer		Maine (CA Prop 65); WA Appen1		
612-83-9	3,3'-Dichlorobenzidine dihydrochloride	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Intermediate for color dyes	x
613-35-4	N,N'-Diacetylbenzidine	Cancer		Maine (CA Prop 65); WA Appen1	Research	
615-05-4	2,4-Diaminoanisole	Cancer		Maine (CA Prop 65); WA Appen1	Preparation of hair and fur dyes, corrosion inhibitor for steel	
615-53-2	N-Nitroso-N-methylurethane	Cancer		Maine (CA Prop 65); WA Appen1	Research	
615-54-3	1,2,4-Tribromobenzene	Liver	x	IRIS; WA Appen1		
616-23-9	2,3-Dichloropropanol	Cardiovascular system, Kidney, Liver		IRIS; WA Appen1	Production of epichlorohydrin	
621-64-7	N-Nitrosodi-n-propylamine	Cancer		Maine (CA Prop 65; IRIS; NTP 11th ROC); WA Appen1	Research	
622-96-8	p - ethyltoluene	Body Weight, Development, Liver, Mortality, Reproduction		EPA - HC		x
624-83-9	Methyl isocyanate	Eyes, Reproduction, Respiratory		ATSDR; HSDB; WA Appen1	Organic chemical synthesis, carbamate pesticides mfg	x
626-39-1	Benzene, 1,3,5-tribromo-		x	Maine (Canada PBiT); WA Appen1		
629-14-1	1,2-Diethoxyethane	Development/ Reproduction		REACH Substances of Very High Concern	solvent and dilutent for detergents	
630-08-0	Carbon monoxide	Blood, Development, Reproduction		Maine (CA Prop 65; EU Reproductive Toxicant); WA Appen1	Combustion by product, reducing agent in metallurgical operations	x
630-20-6	1,1,1,2-Tetrachloroethane	Kidney, Liver		WA Appen1; Minnesota HRL	Solvent, insecticides mfg, bleaches, paints, varnishes	
631-64-1	Dibromoacetic acid	Cancer		Maine (CA Prop 65)	By product of water disinfection	
632-79-1	1,3-isobenzofurandione, 4,5,6,7-tetrabromo-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Flame retardant	x
634-66-2	benzene, 1,2,3,4-tetrachloro-		x	Maine (OSPAR Chemicals of Concern; Canada PBiT); WA Appen1	Dielectric fluids, chemical intermediate	

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634-90-2	Benzene, 1,2,3,5-tetrachloro-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Research, intermediate for pesticides, protection in packaging	
636-21-5	o-Toluidine hydrochloride	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Intermediate in dyes mfg	
637-92-3	Ethyl tert-butyl ether	Reproduction		CA Prop 65	Gasoline additive	
638-21-1	Phenylphosphine	Development		CA Prop 65	Chemical intermediate, reagent	
645-05-6	Altretamine	Development, Reproduction		Maine (CA Prop 65); WA Appen1	pharmaceutical and insect chemosterilant	
646-06-0	1,3-Dioxolane	Development, Reproduction		EPA - HC	Production of high molecular weight polyacetals	x
647-42-7	1-Octanol, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluoro-		x	Maine (Canada PBiT); WA Appen1		
668-34-8	stannylium, triphenyl-		x	Maine (OSPAR Chemical of Concern); WA Appen1		
678-39-7	1-Decanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-		x	Maine (Canada PBiT); WA Appen1		
680-31-9	Hexamethylphosphoramide	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Processing solvent for aromatic polyamide fiber, de-icing additive for jet fuels, solvent for polymers	
683-18-1	Dibutyltin dichloride (DBTC)	Body Weight, Blood, Eyes, Immune System, Kidney, Skin		OECD - SIDS/SIAR	Organotin intermediate for chemical and coating production	x
684-16-2	Hexafluoroacetone	Reproduction		Maine (CA Prop 65)	Chemical intermediate hexafluoroisopropanol, polyacrylates, organic synthesis	
684-93-5	N-Nitroso-N-methylurea	Cancer		Maine (CA Prop 65; IARC; NTP 11th ROC); WA Appen1	Lab, pharmaceutical, mutagen	
688-73-3	Stannane, tributyl-	Endocrine system	x	Maine (Canada PBiT; EU Endocrine Disruptor); WA Appen1	Reducing agent, synthesis intermediate, pharmaceutical	
693-98-1	2-Methylimidazole	Cancer		IARC 2B	dyes and pigments, hardener for epoxy resins, agricultural chemicals, rubber	
709-98-8	Propanil	Spleen		IRIS; WA Appen1	Pesticide	
712-68-5	2-Amino-5-(5-nitro-2-furyl)-1,3,4-thiadiazole	Cancer		Maine (CA Prop 65); WA Appen1		

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732-11-6	Phosmet	Body weight, Liver		IRIS; WA Appen1	Pesticide	
732-26-3	2,4,6-tri-tert-butylphenol		x	Maine (OSPAR Chemicals of Concern; OSPAR Chemicals for Priority Action; Canada PBiT); WA Appen1; Oregon P3 List	Personal care products, medical devices	x
754-91-6	Perfluorooctane sulfonamide [PFOSA]		x	Oregon P3 List	Anti-stain coatings	
759-73-9	N-Nitroso-N-ethylurea	Cancer		Maine (CA Prop 65; IARC; NTP 11th ROC); WA Appen1	Ethylating agent, plant mutagen for study	
759-94-4	Ethyl dipropylthiocarbamate	Cancer, Cardiovascular system, Nervous system		Maine (CA Prop 65); Minnesota HRL; WA Appen1	Pesticide	
764-41-0	1,4-Dichloro-2-butene	Cancer		Maine (CA Prop 65); WA Appen1	Chemical intermediate resolving oil in water mixtures	
765-34-4	Glycidaldehyde	Cancer		Maine (CA Prop 65; IRIS); WA Appen1	Research, crosslinking agent, veterinary pharmaceutical	
789-02-6	benzene, 1-chloro-2-[2,2,2-trichloro-1-(4-chlorophenyl)ethyl]-	Development, Endocrine system, Reproduction	x	Maine (CA Prop 65; EU Endocrine Disruptor; OSPAR Chemical of Concern); WA Appen1	Pesticide (EPA reg. cancelled)	
793-24-8	4-(dimethylbutylamino)diphenylamin		x	Maine (OSPAR Chemicals of Concern; OSPAR Chemicals for Priority Action); WA Appen1	Antioxidant/antiozonant for rubber	x
817-09-4	Trichlormethine (Trimustine hydrochloride)	Cancer		Maine (CA Prop 65); WA Appen1		
822-06-0	1,6-Hexamethylene diisocyanate	Eyes, Respiratory system, Skin		OECD - SIDS/SIAR; WA Appen1; Minnesota HRV	Industrial surface coatings	x
822-36-6	4-Methylimidazole	Cancer		IARC 2B	dyes and pigments, oven cleaner, agricultural chemicals, rubber	
832-69-9	Methylphenanthrene, 1-		x	Oregon P3 List	Combustion by-product	
834-12-8	Ametryn	Liver		IRIS; WA Appen1	Pesticide	
838-88-0	4,4'-Methylene bis(2-methylaniline)	Cancer		Maine (CA Prop 65); WA Appen1		
842-07-9	C.I. Solvent Yellow 14	Cancer		Maine (CA Prop 65); WA Appen1; WA CHCC	Dye	
868-77-9	2-hydroxyethyl methacrylate	Kidney		OECD - SIDS/SIAR	In dyes, inks, coatings, adhesives, others	x

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872-50-4	N-Methylpyrrolidone	Development		Maine (CA Prop 65); WA Appen1; WA CHCC	solvent for resins, acetylene, pigment dispersant, others	x
886-50-0	Terbutryn	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	Pesticide (EPA reg. cancelled)	
900-95-8	Fentin acetate = triphenyltin acetate	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	Pesticide (not EPA registered)	
924-16-3	N-Nitrosodi-n-butylamine	Cancer		Maine (CA Prop 65; IRIS; NTP 11th ROC); WA Appen1	Research	
924-42-5	N-Methylolacrylamide	Cancer		Maine (CA Prop 65); WA Appen1	Adhesives, surface coatings, binders	x
930-55-2	N-Nitrosopyrrolidine	Cancer		Maine (CA Prop 65; IRIS; NTP 11th ROC); WA Appen1	Research, tobacco smoke	
944-22-9	Dyphonate	Liver, Nervous system		IRIS; WA Appen1	Pesticide (EPA reg. cancelled)	
944-61-6	Benzene, 1,2,3,4-tetrachloro-5,6-dimethoxy-		x	Maine (Canada PBiT); WA Appen1		
957-51-7	Diphenamid	Liver		IRIS; WA Appen1	Pesticide (EPA reg. cancelled)	
959-98-8	Endosulfan, alpha		x	Maine (NWM Priority Chemicals); WA Appen1	Pesticide (not EPA registered)	
961-11-5	Phosphoric acid, 2-chloro-1-(2,4,5-trichlorophenyl)vinyl dimethyl (Tetrachlorovinphos)	Body weight, Kidney, Liver, Nervous system		IRIS; WA Appen1	Pesticide	
994-05-8	tert-Amyl methyl ether	Development		CA Prop 65; WA Appen1	Gasoline additive	x
1000-05-1	Tetrasiloxane, 1,1,3,3,5,5,7,7-octamethyl		x	Maine (Canada PBiT); WA Appen1		
1022-22-6	p,p'-DDMU	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1		
1024-57-3	Heptachlor epoxide	Cancer	x	Maine (CA Prop 65; IRIS; NWM Priority Chemicals; WA PBT List; OSPAR Chemicals of Concern); WA Appen1l Oregon P3 List; Minnesota HRL	Heptachlor metabolite	
1031-07-8	Endosulfan sulfate		x	Oregon P3 List	Precursor in chemical mfg	
1068-27-5	Peroxide, (1,1,4,4-tetramethyl-2-butyne-1,4-diyl)bis[(1,1-dimethylethyl)		x	Maine (Canada PBiT); WA Appen1		
1071-83-6	Glyphosate	Development		IRIS; WA Appen1	Pesticide	
1113-02-6	Omethoate	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	Pesticide (not EPA registered)	

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1116-54-7	N-Nitrosodiethanolamine	Cancer		Maine (CA Prop 65; IRIS; NTP 11th ROC); WA Appen1	Research	
1118-46-3	Monobutyltin trichloride	Eyes, Skin		OECD - SIDS/SIAR	Intermediate in organotin compounds production	x
1120-71-4	1,3-Propane sultone	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Chemical intermediate	
1131-60-8	4-Cyclohexylphenol	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	Antimicrobial additive	
1134-23-2	Cycloate	Development		Maine (CA Prop 65); WA Appen1	Pesticide	
1138-52-9	phenol, 3,5-bis(1,1-dimethylethyl)-		x	Maine (OSPAR Chemicals of Concern); WA Appen1		
1154-59-2	Benzamide, 3,5-dichloro-N-(3,4-dichlorophenyl)-2-hydroxy-		x	Maine (Canada PBiT); WA Appen1	Preservative, bacteriostat	
1163-19-5	Decabromodiphenyl ether [Polybrominated diphenyl ethers]		x	Maine (WA PBT List; OSPAR Chemicals of Concern); WA Appen1; WA CHCC; Oregon P3 List	High impact polystyrene, flame retardant	x
1176-74-5	Benzoic acid, 2-[(3,5-dibromo-4-hydroxyphenyl) (3,5-dibromo-4-oxo-2,5-cyclohexadien-1-ylidene)methyl]-, ethyl ester		x	Maine (Canada PBiT); WA Appen1		
1222-05-5	1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8,-hexamethylcyclopenta[g]-2-benzopyran (HHCB)	Body Weight	x	EPA - HC; WA Appen1; Oregon P3 List	Laundry detergent fragrance, fragrance	x
1229-55-6	2-Naphthalenol, 1-[(2-methoxyphenyl)azo]- (Oil pink)		x	Maine (Canada PBiT); WA Appen1	Dye	
1241-94-7	phosphoric acid, 2-ethylhexyl diphenyl ester		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Food packaging, plasticizer for polyvinyl chlorides	x
1271-28-9	Nickelocene	Cancer		Maine (CA Prop 65); WA Appen1	Catalyst and completing agent	
1303-00-0	Gallium arsenide	Cancer		Maine (CA Prop 65; IARC); WA Appen1	Semiconductor	
1303-28-2	Arsenic oxide, arsenic pentoxide, diarsenic pentaoxide	Cancer		Maine (EU Carcinogen; REACH Substances of Very High Concern); WA Appen1	Pesticide, wood preservation, dye	x (2006)
1307-96-6	Cobalt [II] oxide	Cancer		Maine (CA Prop 65); WA Appen1	Pigments, catalyst	x (2006)
1309-64-4	Antimony oxide (Antimony trioxide)	Cancer		Maine (CA Prop 65); WA Appen1	Pigment, mordant, flame-proofing	x
1310-73-2	Sodium Hydroxide	Eyes, Respiratory system, Skin		WA Appen1; Minnesota HRV	Caustic and base	x

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1313-99-1	Nickel oxide	Cancer		Maine (CA Prop 65; EU Carcinogen); WA Appen1	Colorant, fuel cell electrodes	x (2006)
1314-06-3	Dinickel trioxide	Cancer		Maine (EU Carcinogen)	Storage batteries	
1314-20-1	Thorium dioxide	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	High temperature mantles	
1314-62-1	Vanadium pentoxide (orthorhombic crystalline form)	Cancer, Respiratory system		Maine (CA Prop 65); WA Appen1; Minnesota HRV	From burning fuel oil	x (2006)
1314-84-7	Zinc phosphide	Body Weight		IRIS; WA Appen1	Pesticide	
1321-64-8	Pentachloronaphthalene [Polychlorinated naphthalenes]		x	Maine (WA PBT List; OSPAR Chemicals of Concern); WA Appen1; Oregon P3 List	Chlorinated naphthalenes mfg	
1321-65-9	Trichloronaphthalene [Polychlorinated naphthalenes]		x	Maine (WA PBT List; OSPAR Chemicals of Concern); WA Appen1; Oregon P3 List	Lubricants mfg in electrical wire insulation	
1325-85-5	1-Naphthalenemethanol, α,α-bis[4-(dimethylamino) phenyl]-4-(methylphenylamino)-		x	Maine (Canada PBiT); WA Appen1		
1325-86-6	1-Naphthalenemethanol, α,α-bis[4-(diethylamino) phenyl]-4-(ethylamino)-		x	Maine (Canada PBiT); WA Appen1		
1326-05-2	Spiro[isobenzofuran-1(3H),9'-[9H]xanthen]-3-one, 2',4',5',7'-tetrabromo-3',6'-dihydroxy-, lead salt		x	Maine (Canada PBiT); WA Appen1		
1326-49-4	C.I. Sulphur Orange 1		x	Maine (Canada PBiT); WA Appen1		
1327-53-3	Arsenic trioxide, diarsenic trioxide	Cancer		Maine (EU Carcinogen; REACH Substances of Very High Concern); WA Appen1	Pesticide (EPA reg. cancelled), preserving hides, pigments	x (2006)
1330-20-7	Xylene	Eyes, Nervous system, Respiratory system		WA Appen1; Minnesota HRL; Minnesota HRV	Solvent, herbicide, feedstock	x
1332-21-4	Asbestos (amphibole forms)	Cancer		Maine (CA Prop 65; IARC; IRIS; NTP 11th ROC); WA Appen1		
1333-82-0	Chromium (VI) trioxide	Cancer		Maine (EU Carcinogen); WA Appen1	Metal finishing, corrosion inhibitor, chemical intermediate, pharmaceutical	x (2006)
1333-86-4	Carbon black (airborne, unbound particles of respirable size)	Cancer		Maine (CA Prop 65); WA Appen1	Pigment, printing, drawing inks, chemical reducing agent	

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1335-32-6	Lead subacetate	Cancer, Reproduction		Maine (CA Prop 65; EU Reproductive Toxicant); WA Appen1	Sugar analysis, clarifying	
1335-87-1	Hexachloronaphthalene [Polychlorinated naphthalenes]		x	Maine (WA PBT List; OSPAR Chemicals of Concern); WA Appen1; Oregon P3 List	Capacitors - electric cable coverings	
1335-88-2	Tetrachloronaphthalene [Polychlorinated naphthalenes]		x	Maine (WA PBT List; OSPAR Chemicals of Concern); WA Appen1; Oregon P3 List	Capacitors - electric cable coverings	
1336-36-3	Polychlorinated Biphenyls (PCBs)	Cancer, Development, Endocrine Disruptor	x	Maine (IARC; IRIS; NTP 11th ROC; EU Endocrine Disruptor; EPA Final PBT Rule for TRI; TRI PBT Chemical List; EPA Priority PBT; NWM Priority Chemicals; OSPAR Chemicals of Concern; Canada PBiT); WA Appen1; Minnesota HRL; Minnesota HRV	Use in electrical systems	
1338-23-4	Methyl ethyl ketone peroxide	Body Weight, Eyes, Mortality, Skin		OECD - SIDS/SIAR	Polymerization initiator, paints mfg, plastics, rubber	x
1344-37-2	C.I. Pigment Yellow 34 [This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77603.], Lead sulfochromate yellow	Cancer, Reproduction		Maine (EU Reproductive Toxicant); REACH Substance of Very High Concern	Pigment	x (2006)
1402-68-2	Aflatoxins (naturally occurring mixtures of)	Cancer		Maine (CA Prop 65; IARC; NTP 11th ROC); WA Appen1	Research	
1460-02-2	benzene, 1,3,5-tris(1,1-dimethylethyl)-		x	Maine (OSPAR Chemicals of Concern); WA Appen1		
1461-22-9	Stannane, tributylchloro-		x	Maine (Canada PBiT); WA Appen1	Pesticide (not EPA registered), chemical intermediate	
1461-25-2	Tetrabutyltin (TTBT)	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	Stabilizer, rust inhibiting agent	x
1464-53-5	Diepoxybutane	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Research, curing polymers, chemical intermediate	
1563-66-2	Carbofuran	Blood, Nervous system, Reproductive		HSDB; IRIS; WA Appen1	Pesticide	x

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1582-09-8	Trifluralin	Endocrine system	x	Maine (EU Endocrine Disruptor; EPA Final PBT Rule for TRI; TRI PBT Chemical List; NWM Priority Chemicals; OSPAR Chemicals of Concern; OSPAR Chemicals for Priority Action; Canada PBiT); WA Appen1; Oregon P3 List	Pesticide	
1594-08-7	9,10-Anthracenedione, 1-hydroxy-4-[[4-[(methylsulfonyl) oxy]phenyl]amino]-		x	Maine (Canada PBiT); WA Appen1		
1596-84-5	Daminozide	Cancer		Maine (CA Prop 65); WA Appen1	Pesticide, growth regulator	
1606-67-3	1-pyrenamine		x	Maine (OSPAR Chemicals of Concern); WA Appen1		
1615-80-1	1,2-Diethylhydrazine	Cancer		Maine (CA Prop 65); WA Appen1	Chemical intermediate, research	
1634-04-4	Methyl tertiary butyl ether (MTBE)	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1		x
1646-88-4	Aldoxycarb	Nervous system		IRIS; WA Appen1	Pesticide (EPA reg. cancelled)	
1652-63-7	1-Propanaminium, 3-[[(heptadecafluorooctyl) sulfonyl]amino]-N,N,N-trimethyl-, iodide		x	Maine (Canada PBiT); WA Appen1		
1689-83-4	Ioxynil	Endocrine system		Maine (EU Endocrine disruptor); WA Appen1	Herbicide	
1689-84-5	Bromoxynil	Cancer		Maine (CA Prop 65); WA Appen1	Pesticide	
1689-99-2	Bromoxynil octanoate	Cancer		Maine (CA Prop 65); WA Appen1		
1691-99-2	1-octanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-(2-hydroxyethyl)-		x	Maine (OSPAR Chemicals of Concern; Canada PBiT); WA Appen1	Chemical intermediate	
1694-09-3	Benzyl violet 4B	Cancer		Maine (CA Prop 65); WA Appen1	Dye	
1705-85-7	chrysene, 6-methyl-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	In tobacco smoke	

CAS Number	Chemical Name	Health endpoint(s)	Persistent, Bioaccumulative, Toxic (PBT) or very Persistent, very Bioaccumulative (vPvB)	Source(s)	Use example(s) or class	HPV (2006 and 3 of 4 years)[1,2]
1715-40-8	bromocylene		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Pesticide (not EPA registered) and pharmaceutical	
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	Cancer, Development, Endocrine system	x	Maine (CA Prop 65; IARC; NTP 11th ROC; EU Endocrine Disruptor; EPA Final PBT Rule for TRI; NWM Priority Chemicals; WA PBT List; OSPAR Chemicals of Concern); WA Appen1; Oregon P3 List	Combustion by-product	
1763-23-1	Acid [Perfluorooctane sulfonates (PFOS)]	Development, Liver, Thyroid	x	Maine (WA PBT list); WA Appen1; WA CHCC; Oregon P3 List; Minnesota HRL	Surfactant	
1806-26-4	Phenol, 4-octyl-	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1; WA CHCC	Nonionic surfactants mfg, plasticizers, resins	
1825-21-4	pentachloroanisole		x	Maine (OSPAR Chemicals of Concern; OSPAR Chemicals for Priority Action); WA Appen1; Oregon P3 List		
1836-75-5	Nitrofen	Cancer, Endocrine system	x	Maine (CA Prop 65; NTP 11th ROC; EU Endocrine Disruptor; EU PBT List; OSPAR Chemicals of Concern); WA Appen1	Pesticide (EPA reg. cancelled)	
1836-77-7	benzene, 1,3,5-trichloro-2-(4-nitrophenoxy)-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Pesticide (not EPA registered)	
1861-32-1	Chlorthal-dimethy (Dacthal)	Kidney, Liver, Respiratory system, Thyroid		IRIS; WA Appen1	Pesticide	
1861-40-1	benzenamine, N-butyl-N-ethyl-2,6-dinitro-4-(trifluoromethyl)-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Pesticide	
1871-22-3	2H-Tetrazolium, 3,3'-(3,3'-dimethoxy[1,1'- biphenyl]-4,4'-diyl)bis[2,5-diphenyl-, dichloride (Tetrazolium blue)		x	Maine (Canada PBiT); WA Appen1	Dye	
1897-45-6	Chlorothalonil	Cancer		Maine (CA Prop 65); WA Appen1; Minnesota HRL	Pesticide	
1912-24-9	Atrazine	Cardiovascular system, Endocrine system, Reproduction		Maine (OSPAR Chemicals of Concern; EU Endocrine Disruptor); WA Appen1; Minnesota HRL - EPA- MCL	Pesticide	

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1918-00-9	Dicamba	Development		WA Appen1; Minnesota HRL	Pesticide	
1918-02-1	Picloram	Endocrine system, Liver		Maine (EU Endocrine Disruptor); WA Appen1	Pesticide, growth regulator	
1918-16-7	Propachlor	Cancer		Maine (CA Prop 65); WA Appen1	Pesticide	
1928-47-8	Acetic acid, (2,4,5-trichlorophenoxy)-, 2-ethylhexyl ester		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Pesticide (EPA reg. cancelled)	
1929-77-7	Vernolate (Vernam)	Body Weight		IRIS; WA Appen1	Pesticide (EPA reg. cancelled)	
1929-82-4	Nitrapyrin	Cancer, Development		Maine (CA Prop 65); WA Appen1	Fertilizer	
1937-37-7	2,7-Naphthalenedisulfonic acid, 4-amino-3-[[4'-[(2,4-diaminophenyl) azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy -6-(phenylazo)-, disodium salt (C.I. DIRECT BLACK 38)	Cancer	x	Maine (CA Prop 65; Canada PBiT); WA Appen1	Dye	
1940-43-8	phenol, 2,2'-methylenebis[4,6-dichloro-		x	Maine (OSPAR Chemicals of Concern); WA Appen1		
1983-10-4	Stannane, tributylfluoro-	Endocrine system	x	Maine (Canada PBiT; EU Endocrine Disruptor); WA Appen1	Antifouling	
2008-41-5	Butylate	Liver		IRIS; WA Appen1	Pesticide	
2051-24-3	1,1'-biphenyl, 2,2',3,3',4,4',5,5',6,6'-decachloro-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Used in electrical systems	
2092-56-0	D&C Red No. 8	Cancer		Maine (CA Prop 65); WA Appen1	Dye	
2104-64-5	Ethyl O-(p-nitrophenyl) phenyl phosphonothionate		x	Maine (OSPAR Chemicals of Concern; OSPAR Chemicals for Priority Action); WA Appen1	Pesticide (EPA reg. cancelled)	
2104-96-3	phosphorothioic acid, O-(4-bromo-2,5-dichlorophenyl) O,O-dimethyl ester		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Pesticide (not EPA registered)	
2134-15-8	Benzoic acid, 2,3,4,5-tetrachloro-6-(2, 4,5,7-tetrabromo-6-hydroxy-3-oxo-3H-xanthen-9-yl) -		x	Maine (Canada PBiT); WA Appen1	Dye	
2155-70-6	Stannane, tributyl[(2-methyl-1-oxo-2-propenyl)oxy]-	Development, Endocrine system	x	Maine (CA Prop 65; EU Endocrine Disruptor; Canada PBiT); WA Appen1	Antifouling, pesticide (EPA reg. cancelled)	
2212-67-1	Molinate	Reproduction		IRIS; WA Appen1	Pesticide (EPA reg. cancelled)	

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2215-35-2	Zinc, bis[O,O-bis(1,3-dimethylbutyl) phosphorodithioato-S,S']-, (T-4)-		x	Maine (Canada PBiT); WA Appen1	Oils	x
2227-13-6	tetrasul		x	Maine (OSPAR Chemicals of Concern; OSPAR Chemicals for Priority Action); WA Appen1	Pesticide (EPA reg. cancelled)	
2231-57-4	Carbonothioic dihydrazide	(Mortality: acute exposure) - no repeated dose, Development or Reproduction results available		EPA - HC	Intermediate in mfg of pesticides and agricultural chemicals	x
2234-13-1	octachloronaphthalene		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Fireproofing, waterproofing	
2238-07-5	Diglycidyl ether	Reproduction		CA Prop 65	Diluent for epoxy resins	
2279-76-7	Tri-n-propyltin (TPrT)	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1		
2279-76-7	tri-n-propyltin chloride	Endocrine system		EU Category 1 Endocrine disruptor	antibacterial, fungicide	
2303-17-5	carbamothioic acid, bis(1-methylethyl)-, S-(2,3,3-trichloro-2-propenyl) ester		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Pesticide	
2312-35-8	Propargite	Cancer, Development		Maine (CA Prop 65); WA Appen1	Pesticide	
2379-74-0	Benzo[b]thiophen-3(2H)-one, 6-chloro-2-(6-chloro-4-methyl- 3-oxobenzo[b]thien-2(3H)-ylidene)-4-methyl- (D and C Red No. 30)		x	Maine (Canada PBiT); WA Appen1	Dye	
2379-75-1	Benzo[b]thiophen-3(2H)-one, 5-chloro-2-(5-chloro-4,7- dimethyl-3-oxobenzo[b]thien-2(3H)-ylidene)-4,7-dimethyl -		x	Maine (Canada PBiT); WA Appen1		
2381-21-7	Methylpyrene, 1-		x	Oregon P3 List	Combustion by-product	
2385-85-5	Mirex	Cancer, Endocrine system	x	Maine (CA Prop 65; NTP 11th ROC; EU Endocrine Disruptor; EPA Priority PBT; WA PBT List; OSPAR Chemicals of Concern); WA Appen1; Oregon P3 List	Pesticide (not EPA registered), fire retardant	
2395-00-8	Perfluorooctanoic Acid (PFOA) and Salts	Development, Immune system, Liver	x	Minnesota HRL	Anti-stain coatings	
2425-06-1	Captafol	Cancer		Maine (CA Prop 65; IARC); WA Appen1	Pesticide (not EPA registered)	

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2425-85-6	2-Naphthalenol, 1-[(4-methyl-2-nitrophenyl)azo]- (CI Pigment Red 3)		x	Maine (Canada PBiT); WA Appen1	Dyes/pigment	
2426-08-6	n-Butyl glycidyl ether	Respiratory, Skin		HSDB		x
2429-74-5	C.I. Direct Blue 15	Cancer		Maine (CA Prop 65); WA Appen1	Dye	
2437-79-8	1,1'-biphenyl, 2,2',4,4'-tetrachloro-	Endocrine system	x	Maine (EU Endocrine Disruptor; OSPAR Chemicals of Concern); WA Appen1		
2439-01-2	Oxythioquinox (Chinomethionat)	Cancer, Development		Maine (CA Prop 65); WA Appen1	Pesticide (EPA reg. cancelled)	
2439-10-3	Dodine	Thyroid		IRIS; WA Appen1	Pesticide	
2451-62-9	Triglycidyl isocyanurate	Skin		HSDB	Curing agent for polyester powder coatings	x
2475-45-8	Disperse Blue 1	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Dye	
2487-90-3	Trimethoxysilane	Eyes, Respiratory system, Skin		OECD - SIDS/SIAR	Manufacture of organosilanes	x
2537-62-4	Acetamide, N-[2-[(2-bromo-6-cyano-4-nitrophenyl)azo]-5-(diethylamino)phenyl]- (CI Disperse Blue 183)		x	Maine (Canada PBiT); WA Appen1	Dye	
2538-84-3	Anthra[9,1,2-cde]benzo[rst]pentaphene-5,10-diol, 16,17-dimethoxy-, bis(hydrogen sulfate), disodium salt		x	Maine (Canada PBiT); WA Appen1	Dye	
2545-59-7	acetic acid, (2,4,5-trichlorophenoxy)-, 2-butoxyethyl ester		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Pesticide (EPA reg. cancelled)	
2593-15-9	Terrazole	Cancer		Maine (CA Prop 65); WA Appen1	Pesticide	
2602-46-2	Direct Blue 6 (technical grade)	Cancer		Maine (CA Prop 65); WA Appen1	Dye	
2646-17-5	Oil Orange SS	Cancer		Maine (CA Prop 65); WA Appen1	Dye	
2653-64-7	2-Naphthalenol, 1-(1-naphthalenylazo)-		x	Maine (Canada PBiT); WA Appen1	Dye	
2668-47-5	[1,1'-biphenyl]-4-ol, 3,5-bis(1,1-dimethylethyl)-		x	Maine (OSPAR Chemicals of Concern); WA Appen1		

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2778-42-9	Benzene, 1,3-bis(1-isocyanato-1-methylethyl)-		x	Maine (Canada PBiT); WA Appen1	Intermediate, coatings, printing inks, sealants, wood coating	
2784-94-3	HC Blue 1	Cancer		Maine (CA Prop 65); WA Appen1	Dye	
2795-39-3	Potassium salt [Perfluorooctane sulfonates (PFOS)]	Development, Liver, Thyroid		Maine (WA PBT List; Canada PBiT); WA Appen1	Emulsifier - fluoropolymer polymerization	
2814-77-9	2-Naphthalenol, 1-[(2-chloro-4-nitrophenyl)azo]- (D & C Red no. 36)		x	Maine (Canada PBiT); WA Appen1	Dye	
2855-13-2	3-Aminomethyl-3,5,5-trimethylcyclohexylamine	Kidney, Respiratory system		OECD - SIDS/SIAR	Epoxy resin curing agent	x
2921-88-2	phosphorothioic acid, O,O-diethyl O-(3,5,6-trichloro-2-pyridyl) ester		x	Maine (OSPAR Chemicals of Concern); WA Appen1; Oregon P3 List	Pesticide	
2971-22-4	1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	Chemical intermediate for herbicide	
2971-36-0	Bis-OH-Methoxychlor = 1,1,1-trichloro-2,2-bis(4-hydroxyphenyl)ethane (HTPE)	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1		
2973-10-6	Diisopropyl sulfate	Cancer		Maine (CA Prop 65); WA Appen1	Chemical intermediate	
3068-88-0	beta-Butyrolactone	Cancer		Maine (CA Prop 65); WA Appen1		
3081-01-4	1,4-benzenediamine, N-(1,4-dimethylpentyl)-N'-phenyl-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Polymerization inhibitor	x
3090-35-5	Stannane, tributyl[(1-oxo-9-octadecenyl)	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1		
3118-97-6	2-Naphthalenol, 1-[(2,4-dimethylphenyl)azo]-		x	Maine (Canada PBiT); WA Appen1	Dye	
3147-75-9	phenol, 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Polymers, stabilizer	x
3165-93-3	p-chloro-o-toluidine hydrochloride	Cancer		Maine (NTP 11th ROC); WA Appen1	Dye	
3194-55-6	Cyclododecane, 1,2,5,6,9,10-hexabromo-		x	Maine (Canada PBiT); WA Appen1; REACH Substances of Very High Concern	Flame retardant	x
3252-43-5	Dibromoacetonitrile	Cancer		IARC 2B	antimicrobial, disinfection by-product	
3268-87-9	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin		x	Maine (EPA Final PBT Rule for TRI; WA PBT List); WA Appen1	By-product	

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3271-22-5	1,3,5-Triazine, 2,4-dimethoxy-6-(1-pyrenyl)-		x	Maine (Canada PBiT); WA Appen1		
3278-89-5	benzene, 1,3,5-tribromo-2-(2-propenyloxy)-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Flame retardant, polymer	
3296-90-0	2,2-Bis(bromomethyl)-1,3-propanediol	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Flame retardant	
3333-67-3	Nickel carbonate	Cancer		Maine (CA Prop 65); WA Appen1	Electrical components, water treatment	
3337-71-1	Asulam	Liver, Reproduction		IRIS; WA Appen1	Pesticide (EPA reg. cancelled)	
3351-28-8	chrysene, 1-methyl-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	PAH	
3380-34-5	Triclosan [2,4,4'-trichloro-2'-hydroxydiphenyl ether]		x	Oregon P3 List	Disinfectant	
3389-71-7	bicyclo[2.2.1]hepta-2,5-diene, 1,2,3,4,7,7-hexachloro-		x	Maine (OSPAR Chemicals of Concern); WA Appen1		
3424-82-6	benzene, 1-chloro-2-[2,2-dichloro-1-(4-chlorophenyl)ethenyl]-		x	Maine (EU Endocrine Disruptor; OSPAR Chemicals of Concern); WA Appen1	Pesticide breakdown product	
3468-63-1	2-Naphthalenol, 1-[(2,4-dinitrophenyl)azo]-	Cancer		Maine (CA Prop 65, Canada PBiT); WA Appen1	Pigment	
3555-47-3	Trisiloxane, 1,1,1,5,5,5-hexamethyl-3, 3-bis[(trimethylsilyl)oxy]-		x	Maine (Canada PBiT); WA Appen1	Defoamer, emulsion breaker	
3563-45-9	1,1,1,2-Tetrachloro-2,2-bis(4-chlorophenyl)ethane (tetrachloro DDT)	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	Impurity in pesticide	
3564-09-8	Ponceau 3R	Cancer		Maine (CA Prop 65); WA Appen1	Dye	
3570-75-0	2-(2-Formylhydrazino)-4-(5-nitro-2-furyl)thiazole	Cancer		Maine (CA Prop 65); WA Appen1	Antibacterial	
3687-67-0	3H-Indol-3-one, 5-bromo-2-(9-chloro-3-oxonaphtho[1,2-b]thien-2(3H)-ylidene)-1,2-dihydro-		x	Maine (Canada PBiT); WA Appen1		
3688-53-7	AF-2;[2-(2-furyl)-3-(5-nitro-2-furyl)]acrylamide	Cancer		Maine (CA Prop 65); WA Appen1	Food additive	
3689-24-5	Tetraethyldithiopyrophosphate (Sulfotep)	Nervous system		IRIS; WA Appen1	Pesticide (EPA reg. cancelled)	
3697-24-3	5-Methylchrysene	Cancer		Maine (CA Prop 65; EPA Final PBT Rule for TRI; NTP 11th ROC); WA Appen1	From incomplete combustion	

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3701-40-4	2,7-Naphthalenedisulfonic acid, 4-hydroxy-3-[[4'-[(2-hydroxy- 1-naphthalenyl)azo]-2,2'-dimethyl[1,1'-biphenyl]-4-yl]azo]-, disodium salt		x	Maine (Canada PBiT); WA Appen1		
3734-48-3	4,7-methano-1H-indene, 4,5,6,7,8,8-hexachloro-3a,4,7,7a-tetrahydro-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Chemicals intermediate	
3761-53-3	Ponceau MX	Cancer		Maine (CA Prop 65); WA Appen1	Dye/colorant	
3767-68-8	9,10-Anthracenedione, 1-amino-4-(2-benzothiazolylthio)-		x	Maine (Canada PBiT); WA Appen1		
3771-19-5	Nafenopin	Cancer		Maine (CA Prop 65); WA Appen1	Research, pharmaceutical	
3810-74-0	Streptomycin sulfate	Development		Maine (CA Prop 65); WA Appen1	Pesticide, pharmaceutical	
3825-26-1	Perfluorooctanoic Acid (PFOA) and Salts	Development, Immune system, Liver	x	Minnesota HRL	Anti-stain coatings	
3846-71-7	phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	UV absorbers	
3972-13-2	DIDT		x	Maine (OSPAR Chemicals of Concern); WA Appen1		
4027-18-3	4-Oxo-4-[(tributylstannyl)oxy]-2-butenoic acid		x	Maine (Canada PBiT); WA Appen1	Pesticide	
4098-71-9	3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate	Eyes, Respiratory system, Skin		OECD - SIDS/SIAR	Chemical intermediate and monomer for polyurethane	x
4329-12-8	m,p'-DDD	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1		
4342-30-7	Phenol, 2-[[(tributylstannyl)oxy]carbonyl]-	Endocrine system	x	Maine (EU Endocrine Disruptor; Canada PBiT); WA Appen1		
4342-36-3	Stannane, (benzoyloxy)tributyl-	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	Pesticide	
4376-20-9	Mono 2 ethyl hexylphthalate (MEHP)	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1; WA CHCC	Plasticizer	
4378-61-4	dibenzo[def,mno]chrysene-6,12-dione, 4,10-dibromo- (Pigment Red 168)		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Pigment	
4395-65-7	9,10-Anthracenedione, 1-amino-4-(phenylamino)- (Disperse Blue 19)		x	Maine (Canada PBiT); WA Appen1	Dye	

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4400-06-0	4-Hydroxy-3,4',5-trichlorobiphenyl	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1		
4474-24-2	Benzenesulfonic acid, 3,3'-[(9,10-dihydro-9,10- dioxo-1,4-anthracenediyl)diimino]bis[2,4,6-trimethyl -, disodium salt		x	Maine (Canada PBiT); WA Appen1	Dye	
4549-40-0	N-Nitrosomethylvinylamine	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Research	
4782-29-0	Stannane, [1,2-phenylenebis(carbonyloxy)	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1		
4824-78-6	phosphorothioic acid, O-(4-bromo-2,5-dichlorophenyl) O,O-diethyl ester		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Pesticide (not EPA registered)	
4904-61-4	1,5,9-cyclododecatriene		x	Maine (OSPAR Chemicals of Concern; OSPAR Chemicals for Priority Action); WA Appen1	Feedstock	x
4979-32-2	N,N-dicyclohexyl-2-benzotazothiazolesulfenamide (DCBS)	Adrenal glands, Kidney, Spleen		OECD - SIDS/SIAR	Rubber accelerator	x
5103-71-9	Chlordane, cis-		x	Oregon P3 List	Pesticide (not EPA registered)	
5103-73-1	Cis-Nonachlor	Endocrine system	x	Maine (EU Endocrine Disruptor); WA Appen1; Oregon P3 List	Pesticide (not EPA registered)	
5103-74-2	Chlordane, trans-		x	Oregon P3 List	Pesticide (not EPA registered)	
5124-30-1	4,4´-Methylenedicyclohexyl diisocyanate	Eyes, Respiratory system, Skin		OECD - SIDS/SIAR	Binders and hardeners for coating materials or adhesives mfg	x
5160-02-1	D&C Red No. 9	Cancer		Maine (CA Prop 65); WA Appen1	Paints, cosmetics, drugs, inks	x
5216-25-1	p-a,a,a-Tetrachlorotoluene	Cancer		Maine (CA Prop 65); WA Appen1	Chemical intermediate for dyes, organic chemicals	
5234-68-4	Carboxin	Body weight, Mortality, Organs		IRIS; WA Appen1	Pesticide	
5261-31-4	Propanenitrile, 3-[[2-(acetyloxy)ethyl][4-[(2,6-dichloro-4-nitrophenyl)azo]phenyl]amino]- (C.I. Disperse Orange 30)		x	Maine (Canada PBiT); WA Appen1	Dyes	
5285-60-9	benzenamine, 4,4'-methylenebis[N-(1-methylpropyl)-		x	Maine (OSPAR Chemicals of Concern); WA Appen1		

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5385-75-1	Dibenzo(a,e)fluoranthene		x	Maine (EPA Final PBT Rule for TRI); WA Appen1	Combustion by-product	
5419-55-6	Triisopropylborate	Liver, Reproduction, Spleen, Thyroid		EPA - HC	Pharmaceutical mfg, lubricant additive	x
5436-43-1	PBDE-047 [2,2',4,4'-Tetrabromodiphenyl ether]		x	Oregon P3 List; WA Appen1	Flame retardants added to plastic products	
5466-77-3	2-ethyl-hexyl-4-methoxycinnamate	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1; WA CHCC		
5510-99-6	phenol, 2,6-bis(1-methylpropyl)-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Antioxidant and stabilizer in plastics	
5522-43-0	1-nitropyrene	Cancer		IARC 2A; NTP reasonably anticipated	exhaust particulate	
5543-57-7	(S)-4-hydroxy-3-(3-oxo-1-phenylbutyl)-2-benzopyrone	Reproduction		Maine (EU Reproductive Toxicant)	Sunscreen	
5589-96-8	Bromochloroacetic acid	Cancer		CA Prop 65	By-product from water disinfection	
5902-51-2	Terbacil	Development		Maine (CA Prop 65); WA Appen1	Pesticide	
5989-27-5	cyclohexene, 1-methyl-4-(1-methylethenyl)-, (R)-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Flavorings, fragrances, cosmetics, insecticide	
6109-97-3	3-Amino-9-ethylcarbazole hydrochloride	Cancer		Maine (CA Prop 65); WA Appen1	Dye	
6130-43-4	Heptanoic acid, tridecafluoro-, ammonium salt		x	Maine (Canada PBiT); WA Appen1		
6164-98-3	Chlordimeform	Cancer, Endocrine system		Maine (CA Prop 65; EU Endocrine Disruptor); WA Appen1	Pesticide (EPA reg. cancelled)	
6232-56-0	Ethanol, 2-[[4-[(2,6-dichloro-4-nitrophenyl) azo]phenyl]methylamino]-		x	Maine (Canada PBiT); WA Appen1		
6250-23-3	Phenol, 4-[[4-(phenylazo)phenyl]azo]- (C.I. Disperse Yellow 23)		x	Maine (Canada PBiT); WA Appen1	Dye	
6253-10-7	Phenol, 4-[[4-(phenylazo)-1-naphthalenyl]azo]-		x	Maine (Canada PBiT); WA Appen1	Dye	
6257-39-2	[1,1'-Biphenyl]-4-ol, 3,4',5-tris(1,1-dimethylethyl)-		x	Maine (Canada PBiT); WA Appen1		
6300-37-4	Phenol, 2-methyl-4-[[4-(phenylazo)phenyl]azo]- (Disperse Fast Yellow 4K)		x	Maine (Canada PBiT); WA Appen1	Dye	

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6358-53-8	Citrus Red No. 2	Cancer		Maine (CA Prop 65); WA Appen1	Dye	
6358-57-2	2,7-Naphthalenedisulfonic acid, 3-[[2,2'-dimethyl-4'-[[4- [[(4-methylphenyl)sulfonyl]oxy]phenyl]azo][1,1'-biphenyl]-4-yl]azo]-4-hydroxy-, disodium salt		x	Maine (Canada PBiT); WA Appen1	Dye	
6368-72-5	2-Naphthalenamine, N-ethyl-1-[[4-(phenylazo)phenyl]azo]- (C.I. Solvent Red 19)		x	Maine (Canada PBiT); WA Appen1	Dye	
6371-23-9	Benzo[b]thiophen-3(2H)-one, 5,7-dichloro-2-(6-chloro- 4-methyl-3-oxobenzo[b]thien-2(3H)-ylidene)-4-methyl -		x	Maine (Canada PBiT); WA Appen1		
6373-31-5	Naphth[2,3-c]acridine-5,8,14(13H)-trione, 6,10,12-trichloro-		x	Maine (Canada PBiT); WA Appen1		
6407-74-5	3H-Pyrazol-3-one, 4-[(2-chlorophenyl)azo]-2, 4-dihydro-5-methyl-2-phenyl-		x	Maine (Canada PBiT); WA Appen1	Dye	
6407-78-9	3H-Pyrazol-3-one, 4-[(2,4-dimethylphenyl)azo] -2,4-dihydro-5-methyl-2-phenyl-		x	Maine (Canada PBiT); WA Appen1	Dye	
6408-50-0	9,10-Anthracenedione, 1-(methylamino)-4-[(3-methylphenyl)amino]-		x	Maine (Canada PBiT); WA Appen1	Dye	
6409-68-3	2-Anthracenecarboxaldehyde, 1-amino-9,10-dihydro-9,10-dioxo-, 2-[(1-amino-9,10-dihydro- 9,10-dioxo-2-anthracenyl)methylene]hydrazone		x	Maine (Canada PBiT); WA Appen1	Dye	
6410-13-5	2-Naphthalenol, 1-[(4-chloro-2-nitrophenyl)azo]- (Pigment Red 6)		x	Maine (Canada PBiT); WA Appen1	Dye	
6410-41-9	2-Naphthalenecarboxamide, N-(5-chloro-2,4-dimethoxyphenyl) -4-[[5-[(diethylamino)sulfonyl]-2-methoxyphenyl]azo]-3-hydroxy- (C.I. Pigment Red 5)		x	Maine (Canada PBiT); WA Appen1	Dye	
6417-38-5	Naphth[2,3-c]acridine-10-carboxamide, N-[5-(benzoylamino)-9,10- dihydro-9,10-dioxo-1-anthracenyl]-5,8,13,14-tetrahydro -5,8,14-trioxo-		x	Maine (Canada PBiT); WA Appen1	Dye	

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6459-94-5	C.I. Acid Red 114	Cancer		Maine (CA Prop 65); WA Appen1	Dye	
6465-02-7	Carbamic acid, [4-[[4-[(4-hydroxyphenyl) azo]-2-methylphenyl]azo]phenyl]-, methyl ester		x	Maine (Canada PBiT); WA Appen1		
6471-01-8	2-Anthracenesulfonic acid, 4,4'-[(1-methylethylidene) bis(4,1-phenyleneimino)]bis[1-amino-9,10-dihydro -9,10-dioxo-, disodium salt (C.I. Acid Blue 127)		x	Maine (Canada PBiT); WA Appen1	Dye	
6535-42-8	1-Naphthalenol, 4-[(4-ethoxyphenyl)azo]- (C.I. Solvent Red 3)		x	Maine (Canada PBiT); WA Appen1	Dye	
6683-19-8	Irganox 1010	Development		EPA - HC	Antioxidant	x
6731-36-8	Peroxide, (3,3,5-trimethylcyclohexylidene) bis[(1,1-dimethylethyl)		x	Maine (Canada PBiT); WA Appen1	Rubber mfg	
6786-83-0	1-Naphthalenemethanol, α,α-bis[4-(dimethylamino) phenyl]-4-(phenylamino)-		x	Maine (Canada PBiT); WA Appen1	Colorants	
6842-15-5	1-propene, tetramer		x	Maine (OSPAR Chemicals of Concern); WA Appen1		
6846-50-0	2,2,4-Trimethyl-1,3-pentanediol diisobutyrate	Kidney, Liver		OECD - SIDS/SIAR	Plasticizer	x
6936-40-9	benzene, 1,2,4,5-tetrachloro-3-methoxy-		x	Maine (OSPAR Chemicals of Concern); WA Appen1		
7012-37-5	1,1'-biphenyl, 2,4,4'-trichloro-	Endocrine system	x	Maine (EU Endocrine Disruptor; OSPAR Chemicals of Concern); WA Appen1; Oregon P3 List	Electrical systems	
7099-43-6	5,6-Cyclopento-1,2-benzanthracene	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1		
7139-02-8	pyrimido[5,4-d]pyrimidine, 2,6-dichloro-4,8-di-1-piperidinyl-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Chemical intermediate	
7147-42-4	Butanamide, 2,2'-[(3,3'-dimethoxy[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[N-(2-methylphenyl)-3-oxo-		x	Maine (Canada PBiT); WA Appen1	Pigments, inks, plastics	
7287-19-6	Prometryn	Bone marrow, Kidney, Liver		IRIS; WA Appen1	Pesticide	

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7328-97-4	Oxirane, 2,2',2'',2'''-[1,2-ethanediylidenetetrakis(4,1-phenyleneoxymethylene)]tetrakis -		x	Maine (Canada PBiT); WA Appen1	Epoxy resins	x
7400-08-0	p-Coumaric acid (PCA)	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	Reactant	
7439-92-1	Lead	Cancer, Development, Reproduction	x	Maine (CA Prop 65; IRIS; NTP 11th ROC; TRI PBT Chemical List; EPA Priority PBT; NWM Priority Chemicals); WA Appen1; Oregon P3 List	Lead acid batteries (several other uses)	x (2006)
7439-96-5	Manganese	Nervous system		WA Appen1; Minnesota HRV; Minnesota RAA	Batteries, inks, dyes (several other uses)	x (2006)
7439-97-6	Mercury	Development	x	Maine (CA Prop 65; TRI PBT Chemical List; EPA Priority PBT; NWM Priority Chemicals); WA Appen1; WA CHCC		
7439-98-7	Molybdenum	Blood (uric acid)		IRIS; WA Appen1; WA CHCC	Alloy agent in steel, cast iron; catalyst	x (2006)
7440-02-0	Nickel (Metallic)	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Jewelry (several other uses)	x (2006)
7440-22-4	Silver	Argyria		WA Appen1; IRIS; Minnesota HRL	Contaminant in water (several uses)	x (2006)
7440-28-0	Thallium salts	Liver		WA Appen1; Minnesota HRL	Coal burning and smelting	
7440-36-0	Antimony	Blood		WA Appen1; WA CHCC; Minnesota HRV	Alloys mfg	x (2006)
7440-38-2	Arsenic and arsenic compounds	Cancer	x	Maine (CA Prop 65; IARC; IRIS; NTP 11th ROC); WA Appen1; WA CHCC; Oregon P3 List; Minnesota HRV	Pesticide, catalyst	
7440-39-3	Barium	Cardiovascular system, Kidney		WA Appen1; IRIS; Minnesota HRL	Alloys, carrier for radium	
7440-41-7	Beryllium and beryllium compounds	Cancer		Maine (CA Prop 65; IARC; IRIS; NTP 11th ROC); WA Appen1; WA CHCC; Minnesota HRV	Component of metal alloys, materials for space options, aircraft brakes (several uses)	
7440-42-8	Boron	Development		WA Appen1; Minnesota RAA	Composite structural materials, high temperature abrasive for alloys (several uses)	x (2006)

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7440-43-9	Cadmium	Cancer, Development, Kidney, Reproduction	x	Maine (CA Prop 65; IARC; IRIS; NTP 11th ROC; NWM Priority Chemicals); WA Appen1; Oregon P3 List; Minnesota HRV; Minnesota HRL	Electroplating, enamels, batteries	x (2006)
7440-48-4	Cobalt metal powder	Cancer		Maine (CA Prop 65); WA Appen1; WA CHCC	Metal alloys, aluminum salts, in tools (several uses)	x (2006)
7440-66-6	Zinc	Blood chemistry		IRIS; WA Appen1; Minnesota HRL	Galvanizing sheet metal, coatings for metals	x (2006)
7446-27-7	Lead phosphate	Cancer, Reproduction		Maine (CA Prop 65; EU Reproductive Toxicant); WA Appen1	Stabilizer in plastics	
7487-94-7	Mercuric chloride	Immune system		IRIS; WA Appen1	Perservative, battery cases	
7496-02-8	6-Nitrochrysene	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1		
7646-79-9	Cobalt dichloride	Cancer		Maine (REACH Substance of Very High Concern); WA Appen1	Absorbent in ammonia masks, lubricant, dye mordant	x (2006)
7647-01-0	Hydrochloric acid	Eyes, Respiratory system		WA Appen1; Minnesota HRV	Cleaning (several uses)	x
7664-38-2	Phosphoric acid	Respiratory system		IRIS; WA Appen1	Catalyst, etchant, superphosphates for fertilizer mfg	x (2006)
7664-39-3	Hydrofluoric acid	Respiratory system		WA Appen1; Minnesota HRV	Cleaning, catalyst, several others	x
7664-41-7	Ammonia	Eyes, Respiratory system		WA Appen1; Minnesota HRV	Fertilizer, refrigerant, others	x
7664-93-9	strong inorganic acid mists containing sulfuric acid	Cancer		Maine (CA Prop 65; IARC; NTP 11th ROC); WA Appen1	Acids mfg, glue	x
7697-37-2	Nitric acid	Respiratory system		Minnesota HRV	Fertilizer, cleaning	x
7723-14-0	Phosphorus	Development		IRIS; WA Appen1	Phosphoric acid mfg	x (2006)
7758-01-2	Potassium bromate	Cancer		Maine (CA Prop 65); WA Appen1	Oxidizing agent	
7758-19-2	Chlorite (sodium salt)	Nervous system		IRIS; WA Appen1	Bleaching agent, water purification, disinfectant	x (2006)
7758-97-6	Lead chromate	Cancer, Reproduction		Maine (EU Reproductive Toxicant); REACH Substance of Very High Concern	Pigment	
7775-14-6	Sodium dithionite	Eyes, Genotoxic		OECD - SIDS/SIAR	Reducing agent, oxygen scavenger	x

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7782-49-2	Selenium		x	Oregon P3 List; WA Appen1; Minnesota HRL	Industrial processes; Naturally occurring	
7782-50-5	Chlorine	Respiratory system		WA Appen1; Minnesota HRV	Disinfectant	x
7783-00-8	Selenious acid	Blood		IRIS; WA Appen1	Oxidizing agent, reagent for alkyloids	
7783-06-4	Hydrogen sulfide	Respiratory system		IRIS; WA Appen1; Minnesota HRV	Decaying matter, by product	x
7784-40-9	Lead hydrogen arsenate	Cancer, Reproduction		Maine (EU Carcinogen; EU Reproductive Toxicant; REACH Substances of Very High Concern); WA Appen1	Pesticide (not EPA registered)	
7784-42-1	Arsine	Blood		WA Appen1; Minnesota HRV	Organic synthesis, poison gas	
7789-12-0	Sodium dichromate, dihydrate	Cancer, Genotoxic, Reproduction	x	Maine (REACH Substance of Very High Concern); WA Appen1	Contaminant from electroplating, tanning	
7790-98-9	Perchlorate and Perchlorate salts (ammonium perchlorate)	Thyroid		IRIS; WA Appen1	Rocket fuel	x (2006)
7803-51-2	Phosphine	Body weight		Minnesota HRV; WA Appen1	Pesticide (EPA reg. cancelled), organic preparations	
8001-35-2	Toxaphene	Cancer, Endocrine system	x	Maine (CA Prop 65; IRIS; NTP 11th ROC; EU Endocrine Disruptor; EPA Final PBT Rule for TRI; TRI PBT Chemical List; EPA Priority PBT; WA PBT List; OSPAR Chemicals of Concern); WA Appen1; Minnesota HRL	Pesticide (EPA reg. cancelled)	
8001-50-1	Strobane		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Pesticide (not EPA registered)	
8001-58-9	Creosotes	Cancer		Maine (IARC; IRIS); WA Appen1	wood preservation, lubricant	x
8002-05-9	Petroleum		x	Maine (Canada PBiT); WA Appen1	Petroleum	x

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8006-61-9	Gasoline (A complex combination of hydrocarbons separated from natural gas by processes such as refrigeration or absorption. It consists predominantly of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C4 through C8 and boiling in the range of approximately minus 20°C to 120°C (-4°F to 248°F))	Nervous system		HSDB	Fuel	x
8006-64-2	Turpentine oil	Eyes, Skin		HSDB	Solvent and diluent	x
8007-45-2	Coal-tars	Cancer		Maine (IARC; EU Carcinogen; IRIS); WA Appen1; Minnesota HRV	Roofing, burning as fuel	x
8008-20-6	Kerosene (JP-5, JP-8)	Blood, Gastrointestinal system, Kidney, Nervous system, Respiratory system		HSDB; ATSDR	Jet fuel	x
8018-01-7	Mancozeb	Cancer, Endocrine system		Maine (CA Prop 65; EU Endocrine Disruptor); WA Appen1	Pesticide	
8052-41-3	Stoddard solvent	Liver, Nervous system		HSDB; ATSDR	Spot and stain removal, diluent for paints, coatings and waxes, dry cleaning agent	x
8065-48-3	Demeton	Nervous system		IRIS; WA Appen1	Pesticide (EPA reg. cancelled)	
8068-44-8	Clophen A50	Endocrine system		Maine (EU Endocrine disruptors); WA Appen1	congeners of PCBs	
8072-20-6	ethanol, 1,1-bis(4-chlorophenyl)-, mixed		x	Maine (OSPAR Chemicals of Concern); WA Appen1		
9004-66-4	Iron dextran complex	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Catalyst, pigment, drugs, agriculture	
9006-42-2	Metiram	Cancer, Development, Endocrine system		Maine (CA Prop 65; EU Endocrine Disruptor); WA Appen1	Pesticide	
9016-45-9	Polyethylene glycol nonlyphenyl ether (nonylphenolethoxylate)	Endocrine system		Maine (OSPAR Chemicals of Concern; EU Endocrine Disruptor); WA Appen1	Surfactant, pesticide (EPA reg. cancelled)	

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9016-87-9	Methylene Diphenyl Diisocyanate and Polymeric MDI	Respiratory system		Minnesota HRV	Source of fordiphenylmethane-4-4'-diisocyanate, used for particle board binders	
10024-97-2	Nitrous oxide	Development		Maine (CA Prop 65)	Pharmaceutical, detection of leaks in pipes	x (2006)
10026-24-1	Cobalt sulfate heptahydrate	Cancer		Maine (CA Prop 65); WA Appen1	Electroplating and electro chemical industry, colorant, drying agent	
10034-93-2	Hydrazine sulfate	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Antioxidant, refining, soldering, blood tests, fungicide, pharmaceutical	
10043-35-3	Boric acid (has a second CAS #: 11113-50-1)	Endocrine system, Reproduction		Maine (EU Endocrine Disruptor); WA Appen1; REACH Substance of Very High Concern	Pesticide, flame retardant, soldering flux, weatherproofing	x (2006)
10043-66-0	Iodine-131	Development		Maine (CA Prop 65); WA Appen1	Cancer treatment, research, tracer chemical	
10043-92-2	Radon-222 and its decay products	Cancer		Maine (IARC; NTP 11th ROC); WA Appen1	Decay product of radium	
10048-13-2	Sterigmatocystin	Cancer		Maine (CA Prop 65); WA Appen1	Metabolite of aflatoxin	
10049-04-4	Chlorine Dioxide	Respiratory system		WA Appen1; Minnesota HRV	Pesticide, bleaching agent, disinfectant, leather	x (2006)
10099-74-8	Lead dinitrate	Development		REACH Substances of Very High Concern	matches, explosives, tanning, mordant	
10102-44-0	Nitrogen Dioxide	Respiratory system		WA Appen1; Minnesota HRV	Bleach, catalyst	
10108-64-2	Cadmium chloride		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Photography, veterinary pharmaceutical, pesticide (EPA reg. cancelled)	
10124-43-3	Cobalt sulfate	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	In batteries, electroplating	x (2006)
10265-92-6	Methamidophos	Nervous system		IRIS; WA Appen1	Pesticide	
10448-09-6	Cyclotetrasiloxane, heptamethylphenyl-		x	Maine (Canada PBiT); WA Appen1	Adhesive binder	
10453-86-8	Resmethrin	Cancer, Development, Endocrine system		Maine (CA Prop 65; EU Endocrine Disruptor); WA Appen1	Pesticide	
10595-95-6	N-Nitrosomethylethylamine	Cancer		Maine (CA Prop 65; IRIS); WA Appen1	Research	

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11081-15-5	Phenol, isooctyl-	Endocrine system		Maine (EU Endocrine Disruptor; OSPAR Chemical of Concern); WA Appen1	Surfactant	
11096-82-5	PCB Aroclor 1260 (Clophen A60)	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	PCB	
11097-69-1	PCB Aroclor 1254	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	PCB	
12001-28-4	Asbestos (crocidolite)	Cancer		Maine (EU Carcinogen)		
12001-29-5	Asbestos (chrysotile)	Cancer		Maine (EU Carcinogen)		
12002-48-1	Trichlorobenzene	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	Dye carriers, heat transfer medium	
12035-36-8	Nickel dioxide	Cancer		Maine (EU Carcinogen)		
12035-72-2	Nickel subsulfide	Cancer		Maine (CA Prop 65; EU Carcinogen; IRIS); WA Appen1; Minnesota HRV	Lithium batteries, smelting	x (2006)
12054-48-7	Nickel (II) hydroxide	Cancer		Maine (CA Prop 65); WA Appen1	Nickel salts mfg, Ni-Cd batteries	
12122-67-7	Zineb	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	Pesticide (EPA reg. cancelled)	
12125-56-3	Nickel (III) hydroxide	Cancer		Maine (CA Prop 65); WA Appen1	Nickel salt	
12172-73-5	Asbestos (amosite)	Cancer		Maine (EU Carcinogen)		
12174-11-7	Palygorskite fibers (> 5mm in length) (Attapulgite)	Cancer		Maine (CA Prop 65); WA Appen1	Fertilizer production, suspending aid	
12236-64-5	2-Naphthalenecarboxamide, N-[4-(acetylamino)phenyl] -4-[[5-(aminocarbonyl)-2-chlorophenyl]azo]-3-hydroxy -		x	Maine (Canada PBiT); WA Appen1	Plastics, paints	
12239-34-8	Acetamide, N-[5-[bis[2-(acetyloxy)ethyl] amino]-2-[(2-bromo-4,6-dinitrophenyl)azo]-4-ethoxyphenyl]- (C.I. Disperse Blue 79)		x	Maine (Canada PBiT); WA Appen1	Pigment	
12408-10-5	Benzene, tetrachloro-		x	Maine (Canada PBiT); WA Appen1		
12427-38-2	Maneb	Cancer, Endocrine system		Maine (CA Prop 65; EU Endocrine Disruptor); WA Appen1	Pesticide	
12510-42-8	Erionite	Cancer		Maine (CA Prop 65; EU Carcinogen); WA Appen1	Water softeners, detergents, cracking catalysts	

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12642-23-8	PCT Aroclor 5442	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1		
12656-85-8	C.I. Pigment Red 104 [This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77605.], Lead chromate molybdate sulfate red	Cancer, Reproduction		Maine (EU Reproductive Toxicant); REACH Substance of Very High Concern	Pigment	
12672-29-6	PCB Aroclor 1248	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	PCB	
12674-11-2	Aroclor 1016 (PCBs)	Development, Endocrine system	x	Maine (EU Endocrine Disruptor); IRIS; WA Appen1	Formerly used for capacitors - current leachate from landfills/improper disposal	
12789-03-6	Chlordane	Cancer	x	Maine (Canada PBiT; IRIS; EU Endocrine Disruptor); WA Appen1	Pesticide (EPA reg. cancelled)	
13048-33-4	1,6-Hexanediol diacrylate	Skin		HSDB	Chemical intermediate, crosslinking agent	x
13049-13-3	4,4'-Dihydroxy-3,3',5,5'-tetrachlorobiphenyl	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	PCB	
13080-86-9	Benzenamine, 4,4'-[(1-methylethylidene) bis(4,1-phenyleneoxy)]bis-		x	Maine (Canada PBiT); WA Appen1		
13121-70-5	stannane, tricyclohexylhydroxy-	Cancer	x	Maine (CA Prop 65; OSPAR Chemicals of Concern); WA Appen1	Pesticide (not EPA registered)	
13194-48-4	Ethoprop	Cancer		Maine (CA Prop 65); WA Appen1	Pesticide	
13256-22-9	N-Nitrososarcosine	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Research	
13356-08-6	distannoxane, hexakis(2-methyl-2-phenylpropyl)-	Cancer	x	Maine (OSPAR Chemicals of High Concern); WA Appen1; Oregon P3 List	Pesticide	
13424-46-9	Lead azide, lead diazide	Reproduction		Maine (EU Reproductive Toxicant)	Explosives	
13463-39-3	Nickel carbonyl	Cancer, Development		Maine (CA Prop 65; IRIS); WA Appen1	Chemical intermediate, catalyst, glass plating	
13463-67-7	Titanium dioxide	Respiratory system		HSDB; WA Appen1	Pigment, pharmaceutical	x
13530-65-9	Zinc chromates	Cancer		Maine (EU Carcinogen)		
13552-44-8	4,4'-Methylenedianiline dihydrochloride	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Research, spandex materials mfg	

CAS Number	Chemical Name	Health endpoint(s)	Persistent, Bioaccumulative, Toxic (PBT) or very Persistent, very Bioaccumulative (vPvB)	Source(s)	Use example(s) or class	HPV (2006 and 3 of 4 years)[1,2]
13560-89-9	Dechlorane plus	Respiratory system		HSDB; WA Appen1	Fire retardant	x
13593-03-8	Quinalphos = Chinalphos	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	Pesticide (not EPA registered)	
13654-09-6	1,1'-biphenyl, 2,2',3,3',4,4',5,5',6,6'-decabromo-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Flame retardant	
13674-87-8	Tris(1,3-dichloro-2-propyl)phosphate	Kidney, Liver		HSDB; WA Appen1	Flame retardant in plastics, secondary plasticizer	x
13680-35-8	benzenamine, 4,4'-methylenebis[2,6-diethyl-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Chemical intermediate	
13768-00-8	Asbestos (non-asbestiform Actinolite)	Cancer		IARC 1	insulation, roofing	
14295-43-3	Benzo[b]thiophen-3(2H)-one, 4,7-dichloro-2-(4,7-dichloro- 3-oxobenzo[b]thien-2(3H)-ylidene)-		x	Maine (Canada PBiT); WA Appen1	Pigment red 88	
14567-73-8	Asbestos (non-asbestiform Tremolite)	Cancer		IARC 1	insulation, roofing	
14797-55-8	Nitrate (as nitrogen)	Blood, Development		WA Appen1; Minnesota HRL	Biological oxidations	
14797-65-0	Nitrite(1)-	Blood, Development		IRIS; WA Appen1	Water contaminant from bacterial action on nitrates (from fertilizer or wastes), foods	
14808-60-7	Silica, crystalline (inhaled in the form of quartz or cristobalite from occupational sources)	Cancer		Maine (IARC); WA Appen1	Glass, abrasives	x (2006)
14816-18-3	3,5-dioxa-6-aza-4-phosphaoct-6-ene-8-nitrile, 4-ethoxy-7-phenyl-, 4-sulfide		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Pesticide (not EPA registered)	
14835-94-0	o,p'-DDMU	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	Pesticide breakdown product	
14962-28-8	4-Hydroxy-2',4',6'-trichlorobiphenyl	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	PCB congener	
15087-24-8	3-Benzylidene camphor (3-BC)	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	UV filter	
15114-15-5	9,10-anthracenedione, 4,8-diamino-2-(4-ethoxyphenyl)-1,5-dihydroxy-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Textiles, coloring agent	
15245-44-0	Lead 2,4,6-trinitro-m-phenylene dioxide, lead 2,4,6-trinitroresorcinoxide, lead styphnate	Reproduction		Maine (EU Reproductive Toxicant)	Initiating explosive	
15299-99-7	Napropamide	Reproduction		IRIS; WA Appen1	Pesticide	
15323-35-0	Musk indane		x	Oregon P3 List	Fragrance	

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15541-45-4	Bromate	Cancer		Maine (CA Prop 65; IRIS); WA Appen1	Hair care, water disinfection by-product	
15606-95-8	triethyl arsenate	Cancer		Maine (EU Carcinogen; REACH Substances of Very High Concern); WA Appen1	Semiconductor doping agent	
15958-27-7	Propanenitrile, 3-[[4-[(4-nitrophenyl)azo] phenyl][2-[[(phenylamino)carbonyl]oxy]ethyl]amino]-		x	Maine (Canada PBiT); WA Appen1		
15958-61-9	9,10-Anthracenedione, 1-[[4-(phenylsulfonyl)phenyl]amino]-		x	Maine (Canada PBiT); WA Appen1		
15972-60-8	Alachlor	Blood, Cancer, Endocrine system, Kidney, Liver		Maine (CA Prop 65; EU Endocrine Disruptor); WA Appen1; Minnesota HRL	Pesticide	
16071-86-6	Direct Brown 95 (technical grade)	Cancer		Maine (CA Prop 65); WA Appen1	Pigment brown 95	
16219-75-3	5-Ethylidene-2-norbornene	Body Weight, Liver, Thyroid		OECD - SIDS/SIAR	Copolymer in production of ethylene-propylene diene monomer	x
16421-40-2	Acetamide, N-[5-[[2-(acetyloxy)ethyl](phenylmethyl)amino]-2-[(2-chloro-4,6-dinitrophenyl)azo]-4-methoxyphenyl]-		x	Maine (Canada PBiT); WA Appen1	Dye	
16421-41-3	Acetamide, N-[5-[[2-(acetyloxy)ethyl](phenylmethyl)amino]-2-[(2,4-dinitrophenyl)azo]-4 -methoxyphenyl]-		x	Maine (Canada PBiT); WA Appen1	Dye	
16543-55-8	N-Nitrosonornicotine	Cancer		Maine (CA Prop 65; IARC; NTP 11th ROC); WA Appen1	Research	
16568-02-8	Gyromitrin (Acetaldehyde methylformylhydrazone)	Cancer		Maine (CA Prop 65); WA Appen1	Mushroom natural toxin	
16586-42-8	Propanenitrile, 3-[ethyl[3-methyl-4-[(6-nitro- 2-benzothiazolyl)azo]phenyl]amino]-		x	Maine (Canada PBiT); WA Appen1	Dye	
16672-87-0	Ethephon	Nervous system		IRIS; WA Appen1	Plant growth regulator	
16752-77-5	Methomyl	Kidney, Spleen		IRIS; WA Appen1	Pesticide	
16812-54-7	Nickel sulphide	Cancer		Maine (EU Carcinogen)	Nickel ore	
16834-13-2	21H,23H-Porphine, 5,10,15,20-tetra-4-pyridinyl-		x	Maine (Canada PBiT); WA Appen1	Dye	

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17464-91-4	Ethanol, 2,2'-[[4-[(2-bromo-6-chloro- 4-nitrophenyl)azo]-3-chlorophenyl]imino]bis-		x	Maine (Canada PBiT); WA Appen1	Dye	
17540-75-9	phenol, 2,6-bis(1,1-dimethylethyl)-4-(1-methylpropyl)-		x	Maine (Canada PBiT; OSPAR Chemicals of Concern); WA Appen1	Plastics, antioxidant	x
17570-76-2	Lead(II) methanesulphonate	Reproduction		Maine (EU Reproductive Toxicant)		
17804-35-2	Benomyl	Development, Reproduction		Maine (CA Prop 65); WA Appen1	Pesticide (EPA reg. cancelled), pharmaceutical	
18181-70-9	phosphorothioic acid, O-(2,5-dichloro-4-iodophenyl) O,O-dimethyl ester		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Pesticide (not EPA registered)	
18540-29-9	Chromium(VI)	Cancer, Respiratory system		Maine (IARC; IRIS; NTP 11th ROC); WA Appen1; Minnesota HRV	Chrome plating, dyes, pigments	
18662-53-8	Nitrilotriacetic acid, trisodium salt monohydrate	Cancer		Maine (CA Prop 65); WA Appen1	Detergent	
18883-66-4	Streptozocin (streptozotocin)	Cancer, Development, Reproduction		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Research, pharmaceutical	
19044-88-3	Oryzalin	Cancer		Maine (CA Prop 65); WA Appen1	Pesticide	
19398-13-1	propanoic acid, 2-(2,4,5-trichlorophenoxy)-, 2-butoxyethyl ester		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Pesticide (EPA reg. cancelled)	
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin		x	Maine (EPA Final PBT Rule for TRI; WA PBT List); WA Appen1	Combustion by-product	
19666-30-9	Oxadiazon	Cancer, Development		Maine (CA Prop 65); WA Appen1	Pesticide	
19745-44-9	Propanenitrile, 3-[4-[(5-nitro-2-thiazolyl) azo](2-phenylethyl)amino]-		x	Maine (Canada PBiT); WA Appen1		
19800-42-1	Phenol, 4-[[2-methoxy-4-[(4-nitrophenyl)azo]phenyl]azo]- (Disperse Orange 29)		x	Maine (Canada PBiT); WA Appen1	Dye	
20241-76-3	9,10-Anthracenedione, 1,8-dihydroxy-4-nitro-5-(phenylamino)- (Disperse Blue 77)		x	Maine (Canada PBiT); WA Appen1	Dye	
20265-96-7	p-Chloroaniline hydrochloride	Cancer		Maine (CA Prop 65); WA Appen1	Dye, chemical intermediate	

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20354-26-1	Methazole	Development		Maine (CA Prop 65); WA Appen1	Pesticide (EPA reg. cancelled)	
21087-64-9	Metribuzin	Kidney, Liver		Maine (EU Endocrine Disruptor); WA Appen1	Pesticide	
21136-70-9	Benzidine sulphate	Cancer		Maine (EU Carcinogen)	Dyes	
21150-89-0	phenol, 4-(1,1-dimethylethyl)-, hydrogen phosphate		x	Maine (OSPAR Chemicals of Concern); WA Appen1		
21609-90-5	phosphonothioic acid, phenyl-, O-(4-bromo-2,5-dichlorophenyl) O-methyl ester (Leptophos)		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Pesticide (not EPA registered)	
21725-46-2	Cyanazine	Development, Kidney, Liver		Maine (CA Prop 65); WA Appen1; Minnesota HRL	Pesticide (EPA reg. cancelled)	
21811-64-3	Phenol, 4,4'-[1,4-phenylenebis(azo)]bis-		x	Maine (Canada PBiT); WA Appen1	Dye	
21850-44-2	benzene, 1,1'-(1-methylethylidene)bis[3,5-dibromo-4-(2,3-dibromopropoxy)-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Flame retardant in plastics	
22224-92-6	Fenamiphos	Nervous system		IRIS; WA Appen1	Pesticide	
22398-80-7	Indium phosphide	Cancer		Maine (CA Prop 65; IARC); WA Appen1	Semiconductors, laser, solar cells	
22506-53-2	3,9-Dinitrofluoranthene	Cancer		Maine (CA Prop 65); WA Appen1	Emissions from combustion sources	
22967-92-6	Methyl mercury	Development, Nervous system	x	Maine (CA Prop 65; WA PBT list); WA Appen1; Oregon P3 List; Minnesota HRV	In fish, seed treatment	
23077-61-4	9H-Carbazole-1-carboxamide, N-(4-chlorophenyl)-2-hydroxy-		x	Maine (Canada PBiT); WA Appen1		
23103-98-2	Pirimicarb	Cancer		Maine (CA Prop 65)	Pesticide (EPA reg. cancelled)	
23135-22-0	Oxamyl	Body weight		IRIS; WA Appen1	Pesticide	
23355-64-8	Ethanol, 2,2'-[[3-chloro-4-[(2,6-dichloro-4-nitrophenyl)azo]phenyl]imino]bis-		x	Maine (Canada PBiT); WA Appen1	Dye	
23564-05-8	Thiophanate methyl	Reproduction		Maine (CA Prop 65); WA Appen1	Pesticide, pharmaceutical	
23950-58-5	Pronamide	Cancer		Maine (CA Prop 65); WA Appen1	Pesticide	
24124-25-2	Stannane, tributyl[(1-oxo-9,12-octadecad	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	Antifouling	
24307-26-4	Mepiquat chloride	Blood, Body weight, Nervous system		IRIS; WA Appen1	Pesticide	

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24448-09-7	1-Octanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7, 7,8,8,8-heptadecafluoro-N-(2-hydroxyethyl)-N-methyl -		x	Maine (Canada PBiT); WA Appen1	PFC	
24610-00-2	Benzonitrile, 2-[[4-[(2-cyanoethyl)(2-phenylethyl) amino]phenyl]azo]-5-nitro-		x	Maine (Canada PBiT); WA Appen1		
25013-15-4	Vinyl toluene	Nervous system, Respiratory system		HSDB; NTP	Resins, coating, chemical intermediate in insecticides	x
25013-16-5	butylhydroxyanisol	Cancer, Endocrine system		Maine (CA Prop 65; NTP 11th ROC; OSPAR Chemicals of Concern; EU Endocrine Disruptor); WA Appen1; WA CHCC	Commercial stabilizer, antioxidant	
25036-25-3	2,2'-bis(2-(2,3-epoxypropoxy)phenyl)-propane	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	Formation of epoxy resins	
25057-89-0	Bentazon (Basagran)	Blood		IRIS; WA Appen1	Pesticide (EPA reg. cancelled)	
25150-28-1	Propanenitrile, 3-[[4-[(6,7-dichloro-2-benzothiazolyl) azo]phenyl]ethylamino]-		x	Maine (Canada PBiT); WA Appen1	Dye	
25154-52-3	phenol, nonyl-	Endocrine system	x	Maine (EU Endocrine Disruptor; OSPAR Chemicals of Concern); WA Appen1; WA CHCC	Heat stabilizer, bactericide	
25155-25-3	Peroxide, [1,3(or 1,4)-phenylenebis(1-methylethylidene)]bis[(1,1-dimethylethyl)		x	Maine (Canada PBiT); WA Appen1	Polymer initiator	x
25168-15-4	acetic acid, (2,4,5-trichlorophenoxy)-, isooctyl ester		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Pesticide (not EPA registered)	
25214-70-4	Formaldehyde, oligomeric reaction products with aniline	Cancer		REACH Substances of Very High Concern	hardener for epoxy resins, polymer production	
25321-09-9	benzene, bis(1-methylethyl)-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	In gasoline	x
25321-14-6	Dinitrotoluene (isomers mixture) DNT	Adrenal glands, Liver		OECD - SIDS/SIAR; WA Appen1	Production of diisocyante, explosives mfg, plasticizer	x
25340-17-4	Benzene, diethyl-	Development		EPA - RBP	Reactant	x

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25637-99-4	Hexabromocyclododecane		x	Maine (WA PBT List; EU PBT List; REACH Substances of Very High Concern); WA Appen1; WA CHCC; Oregon P3 List	Flame retardant	
25808-74-6	Lead hexafluorosilicate	Reproduction		Maine (EU Reproductive Toxicant)	Refining lead	
25857-05-0	Hexanedioic acid, bis[2-[[4-(2,2-dicyanoethenyl) -3-methylphenyl]ethylamino]ethyl] ester		x	Maine (Canada PBiT); WA Appen1	Dye	
25973-55-1	phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylpropyl)-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Antioxidant	x
26140-60-3	Terphenyl		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Heat transfer agent	x
26148-68-5	A-alpha-C (2-Amino-9H-pyrido[2,3-b]indole)	Cancer	x	Maine (CA Prop 65); WA Appen1	Formed during cooking of meat/fish	
26239-64-5	Stannane, tributyl[[[1,2,3,4,4a,4b,5,6,1	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	Antifouling	
26354-18-7	2-propenoic acid, 2-methyl-, methyl ester = Stannane, tributylmeacrylate	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	Antifouling	
26399-36-0	benzenamine, N-(cyclopropylmethyl)-2,6-dinitro-N-propyl-4-(trifluoromethyl)-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Pesticide (EPA reg. cancelled)	
26447-49-4	hexabromododecane		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Flame retardant	
26471-62-5	Toluene diisocyanate	Cancer, Respiratory system		Maine (CA Prop 65; NTP 11th ROC); WA Appen1; Minnesota HRV	In polyurethane foams, cross-link in nylon 6	x
26603-40-7	1,3,5-triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-tris(3-isocyanatomethylphenyl)-		x	Maine (OSPAR Chemicals of Concern); WA Appen1		
26628-22-8	Sodium azide	Body weight		IRIS; WA Appen1	Airbags in vehicles, preservative	
26636-32-8	Tributyltinnaphthalate	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	Non-ionic detergent	
26644-46-2	Triforine	Development		Maine (CA Prop 65); WA Appen1	Pesticide	
26761-40-0	Di-isodecyl phthalate (DIDP)	Development		Maine (CA Prop 65); WA Appen1	Plasticizer for polyvinyl chloride film, sheet coated fabrics	x

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26850-12-4	Propanamide, N-[5-[bis[2-(acetyloxy)ethyl] amino]-2-[(2-chloro-4-nitrophenyl)azo]phenyl] -		x	Maine (Canada PBiT); WA Appen1	Dye	
26999-29-1	phosphorodithioic acid, O,O-diisooctyl ester		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Zinc compound	
27193-28-8	Phenol, (1,1,3,3-tetramethylbutyl)- = Octylphenol	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	Pesticide (EPA reg. cancelled)	
27208-37-3	Cyclopenta[cd]pyrene	Cancer		Maine (IARC); WA Appen1	In carbon black	
27304-13-8	Oxychlordane, single isomer		x	Oregon P3 List; WA Appen1	Pesticide	
27314-13-2	Norflurazon	Liver, Thyroid		IRIS; WA Appen1	Pesticide	
27341-33-9	9,10-Anthracenedione, 1-amino-4-[(methoxyphenyl)amino]-		x	Maine (Canada PBiT); WA Appen1	Chemical intermediate	
27554-26-3	1,2-benzenedicarboxylic acid, diisooctyl ester	Endocrine system		Maine (OSPAR Chemicals of Concern; equivalent); WA Appen1	Plasticizer	x
27753-52-2	nonabromobiphenyl		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Flame retardant	
27858-07-7	octabromobiphenyl		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Flame retardant	
28249-77-6	Thiobencarb	Blood chemistry, Body weight		IRIS; WA Appen1	Pesticide	
28407-37-6	C.I. Direct Blue 218	Cancer		Maine (CA Prop 65); WA Appen1	Dye	
28434-86-8	3,3'-Dichloro-4,4'-diamino-diphenyl ether	Cancer		Maine (CA Prop 65); WA Appen1	Epoxy resin hardeners	
28680-45-7	heptachloronorbornene		x	Maine (OSPAR Chemicals of Concern; OSPAR Chemicals for Priority Action); WA Appen1	Chemical intermediate	
28824-41-1	Propanenitrile, 3-[[4-[(4,6-dibromo-2-benzothiazolyl) azo]phenyl]ethylamino]-		x	Maine (Canada PBiT); WA Appen1		
29081-56-9	Ammonium salt [Perfluorooctane sulfonates (PFOS)]	Development, Liver, Thyroid	x	Maine (Canada PBiT; WA PBT list); WA Appen1; Minnesota HRL	PFC	
29082-74-4	Octachlorostyrene		x	Maine (EPA Final PBT Rule for TRI; TRI PBT Chemical List; EPA Priority PBT); WA Appen1; Oregon P3 List	By-product for agriculture	
29312-59-2	benzenamine, 4-(2,6-diphenyl-4-pyridinyl)-N,N-dimethyl-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Paints, lacquers, varnishes	

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29398-96-7	[1,1'-biphenyl]-4,4'-diamine, N,N'-bis(2,4-dinitrophenyl)-3,3'-dimethoxy-		x	Maine (OSPAR Chemicals of Concern; Canada PBiT); WA Appen1	Colorant	
29457-72-5	Perfluorooctane sulfonate salt (PFOS)	Development, Liver, Thyroid	x	Maine (WA PBT List); WA Appen1; Minnesota HRL	PFC	
29761-21-5	phosphoric acid, isodecyl diphenyl ester		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Plasticizer, lubricant	x
29765-00-2	Benzamide, N-[5-[bis[2-(acetyloxy)ethyl] amino]-2-[(4-nitrophenyl)azo]phenyl]-		x	Maine (Canada PBiT); WA Appen1	Dye	
30668-06-5	1,3-Dichloro-2,2-bis(4-methoxy-3-methylphenyl)propane	Endocrine system		Maine (EU Endocrine disruptor); WA Appen1		
31030-27-0	Benzenamine, 4-[(2-chloro-4-nitrophenyl) azo]-N-ethyl-N-(2-phenoxyethyl)-		x	Maine (Canada PBiT); WA Appen1		
31508-00-6	2,3',4,4',5-Pentachlorobiphenyl	Endocrine system	x	Maine (EU Endocrine Disruptor; EPA Final PBT Rule for TRI; WA PBT List); WA Appen1; Oregon P3 List	PCB	
32241-08-0	Heptachloronaphthalene [Polychlorinated naphthalenes]		x	Maine (WA PBT List; OSPAR Chemicals of Concern); WA Appen1; Oregon P3 List	PCN	
32534-81-9	Pentabromodiphenyl ether [Polybrominated diphenyl ethers]		x	Maine (WA PBT List; OSPAR Chemicals of Concern; Canada PBiT); WA Appen1	Flame retardant	
32536-52-0	Octabromodiphenyl ether [Polybrominated diphenyl ethers]		x	Maine (WA PBT List; EU PBT List; OSPAR Chemicals of Concern); WA Appen1	Flame retardant	
32598-13-3	3,3',4,4'-Tetrachlorobiphenyl	Endocrine system	x	Maine (EU Endocrine Disruptor; EPA Final PBT Rule for TRI); WA Appen1; Oregon P3 List	PCB	
32598-14-4	2,3,3',4,4'-Pentachlorobiphenyl	Endocrine system	x	Maine (EU Endocrine Disruptor; EPA Final PBT Rule for TRI; WA PBT List); WA Appen1; Oregon P3 List	PCB	
32774-16-6	3,3',4,4',5,5'-Hexachlorobiphenyl	Endocrine system	x	Maine (EU Endocrine Disruptor; EPA Final PBT Rule for TRI; WA PBT List); WA Appen1; Oregon P3 List	PCB	

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32809-16-8	Procymidone	Cancer, Endocrine system		Maine (CA Prop 65; EU Endocrine Disruptor); WA Appen1	Pesticide (not EPA registered)	
33069-62-4	Paclitaxel	Development, Reproduction		Maine (CA Prop 65); WA Appen1	Research, pharmaceutical	
33089-61-1	Amitraz	Development		Maine (CA Prop 65); WA Appen1	Pesticide	
33204-76-1	2,6-cis-Diphenylhexamethylcyclotetrasiloxane - 2,6-cis-[(PhMeSiO)2(Me2SiO)2]	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1		
33213-65-9	Endosulfan, beta		x	Maine (NWM Priority Chemicals); WA Appen1	Pesticide (not EPA registered)	
33820-53-0	Isopropalin	Blood, Organ weight		IRIS; WA Appen1	Pesticide (EPA reg. cancelled)	
33979-03-2	1,1'-biphenyl, 2,2',4,4',6,6'-hexachloro-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	PCB	
33979-43-0	Propanenitrile, 3-[[2-(acetyloxy)ethyl][4-[(5,6-dichloro-2-benzothiazolyl)azo]phenyl]amino]-		x	Maine (Canada PBiT); WA Appen1		
34014-18-1	Tebuthiuron	Body weight		IRIS; WA Appen1	Pesticide	
34256-82-1	Acetochlor	Cancer, Development, Endocrine system, Kidney, Liver, Nervous system, Respiratory system, Reproduction		Maine (CA Prop 65; EU Endocrine Disruptor); WA Appen1; Minnesota HRL	Pesticide	
34455-03-3	1-Hexanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5, 5,6,6,6-tridecafluoro-N-(2-hydroxyethyl)-		x	Maine (Canada PBiT); WA Appen1		
34465-46-8	Hexachlorodibenzodioxin	Cancer		Maine (CA Prop 65); WA Appen1	Combustion by-product	
35065-27-1	PCB 153 (2,2',4,4',5,5'-Hexachlorobiphenyl)	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1; Oregon P3 List	PCB	
35065-28-2	PCB-138 [2,2',3,4,4',5'-hexachlorobiphenyl]	Endocrine system	x	Maine (EU Endocrine Disruptor); Oregon P3 List	Enclosed electrical systems	
35065-29-3	PCB-180 [2,2',3,4,4',5,5'-heptachlorobiphenyl]	Endocrine system	x	Maine (EU Endocrine Disruptor); Oregon P3 List	Enclosed electrical systems	
35367-38-5	Diflubenzuron	Blood		IRIS; WA Appen1	Pesticide	
35554-44-0	Imazalil (Enilconazole)	Body weight		IRIS; WA Appen1	Pesticide	

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35693-92-6	2,4-6-trichlorobiphenyl	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen2		
35693-99-3	PCB 52 (2,2';5,5'-Tetrachlorobiphenyl)	Endocrine system	x	Maine (EU Endocrine Disruptor); WA Appen1; Oregon P3 List	PCB	
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin		x	Maine (EPA Final PBT Rule for TRI; WA PBT List); WA Appen1	Combustion by-product	
36065-30-2	2,4,6-bromophenyl 1-2(2,3-dibromo-2-methylpropyl)		x	Maine (OSPAR Chemicals of Concern; OSPAR Chemicals for Priority Action); WA Appen1	PCB	
36294-24-3	Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, ethyl ester		x	Maine (Canada PBiT); WA Appen1		
36341-27-2	Benzidine acetate	Cancer		Maine (EU Carcinogen)		
36355-01-8	1,1'-biphenyl, hexabromo-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Flame retardants mfg	
36483-60-0	Benzene, 1,1'-oxybis-, hexabromo deriv.		x	Maine (Canada PBiT); WA Appen1	Flame retardants	
36631-23-9	Stannane, tributyl = Tributyltin naphtalate	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1		
36734-19-7	Iprodione	Cancer		Maine (CA Prop 65); WA Appen1	Pesticide	
36861-47-9	bicyclo(2.2.1)heptan-2-one, 1,7,7-trimethyl-3-[(4-methylphenyl)methylene]-	Endocrine system	x	Maine (EU Endocrine Disruptor; OSPAR Chemicals of Concern); WA Appen1	Cosmetics, UV protectant	
37224-57-0	zinc potassium chromate	Cancer		Maine (EU Carcinogen)		
37680-65-2	PCB 18 (2,2',5-Trichlorobiphenyl)	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1		
37680-73-2	PCB-101 [2,2',4,5,5'-pentachlorobiphenyl]		x	Oregon P3 List	PCB	
37893-02-0	benzenamine, N-[3-phenyl-4,5-bis[(trifluoromethyl)imino]-2-thiazolidinylidene]-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Pesticide (not EPA registered)	
38006-74-5	1-Propanaminium, 3-[[(heptadecafluorooctyl) sulfonyl]amino]-N,N,N-trimethyl-, chloride		x	Maine (Canada PBiT); WA Appen1		
38380-07-3	PCB 128 (2,2',3,3',4,4'-Hexachlorobiphenyl)	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1		

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38380-08-4	2,3,3',4,4',5-Hexachlorobiphenyl		x	Maine (EPA Final PBT Rule for TRI; WA PBT List); WA Appen1; Oregon P3 List		
38444-88-1	3,4',5-trichlorobiphenyl	Endocrine system		Maine (EU Endocrine Disruptor)		
38465-55-3	Nickel, bis[1-[4-(dimethylamino)phenyl] -2-phenyl-1,2-ethenedithiolato(2-)-S,S']-		x	Maine (Canada PBiT); WA Appen1		
38521-51-6	benzene, pentabromo(bromomethyl)-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Chemical synthesis, chemical intermediate	
38640-62-9	naphthalene, bis(1-methylethyl)-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Substitute for PCBs, chemical intermediate	
39001-02-0	1,2,3,4,6,7,8,9-Octachlorodibenzofuran		x	Maine (EPA Final PBT Rule for TRI; WA PBT List); WA Appen1	Furan	
39156-41-7	2,4-Diaminoanisole sulfate	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Diagnostic agents, dye	
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin		x	Maine (EPA Final PBT Rule for TRI; WA PBT List); WA Appen1	Dioxin	
39300-45-3	Dinocap	Development		Maine (CA Prop 65); WA Appen1	Pesticide (EPA reg. cancelled)	
39365-31-9	2,3,3',4,4',5,5' Heptachlorobiphenyl [Polychlorinated biphenyls (PCBs)]		x	Maine (WA PBT List); WA Appen1	PCB	
39489-75-3	phenol, 2,4-dichloro-5-nitro-, carbonate (2:1) (ester)		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Chemical synthesis	
39515-41-8	Danitol	Nervous system		IRIS; WA Appen1	Pesticide	
39635-31-9	2,3,3',4,4',5,5'-Heptachlorobiphenyl		x	Maine (EPA Final PBT Rule for TRI); WA Appen1; Oregon P3 List	PCB	
39765-80-5	Trans-Nonachlor	Endocrine system	x	Maine (EU Endocrine Disruptor); WA Appen1; Oregon P3 List	Pesticide (not EPA registered)	
40088-47-9	Benzene, 1,1'-oxybis-, tetrabromo deriv.		x	Maine (Canada PBiT); WA Appen1	Flame retardant	
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	Endocrine system	x	Maine (EU Endocrine Disruptor; EPA Final PBT Rule for TRI; WA PBT List); WA Appen1	Dioxin	

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40487-42-1	Pendimethalin		x	Maine (EPA Final PBT Rule for TRI; TRI PBT Chemical List; NWM Priority Chemicals); WA Appen1; Oregon P3 List	Pesticide	
40615-36-9	Benzene, 1,1'-(chlorophenylmethylene)bis[4-methoxy-		x	Maine (Canada PBiT); WA Appen1	Specialty organic chemical	
41362-82-7	Propanenitrile, 3-[[4-[(5,6-dichloro-2-benzothiazolyl) azo]phenyl]methylamino]-		x	Maine (Canada PBiT); WA Appen1	Dye	
41484-35-9	Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 1,1'-(thiodi-2,1-ethanediyl) ester	Liver		EPA - HC	Stabilizer for polyolefins, elastomers; additive for synthetic and partially synthetic lubricants for engine oils.	x
41556-26-7	Decanedioic acid, bis(1,2,2,6,6-pentamethyl-4-piperidinyl) ester		x	Maine (Canada PBiT); WA Appen1	Antioxidant/corrosion inhibitor/tarnish inhibitor/scavenger/antiscaling agent, paints, plastics	
41604-19-7	1,1'-biphenyl, 4-bromo-2-fluoro-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Chemical intermediate	
41999-84-2	benzene, 1,4-dichloro-2,5-bis(dichloromethyl)-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Chemical intermediate	
42074-68-0	benzene, 1-chloro-2-(chlorodiphenylmethyl)-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Resins	
42397-64-8	1,6-Dinitropyrene	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Combustion by-product	
42397-65-9	1,8-Dinitropyrene	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Combustion by-product	
42479-88-9	[1,1'-Biphenyl]-4-ol, 3,4'-bis(1,1-dimethylethyl)-		x	Maine (Canada PBiT); WA Appen1	Chemical intermediate	
42739-61-7	Nickel, bis[2,3-bis(hydroxyimino) -N-(2-methoxyphenyl)butanamidato]-		x	Maine (Canada PBiT); WA Appen1	Colorant	
42852-92-6	Acetamide, N-[2-[(2-bromo-4,6-dinitrophenyl) azo]-4-methoxy-5-[(phenylmethyl)-2-propenylamino]phenyl]-		x	Maine (Canada PBiT); WA Appen1	Dye	
42874-03-3	Oxyfluorfen		x	WA Appen1; Oregon P3 List	Pesticide	
43121-43-3	Triadimefon	Development, Reproduction		Maine (CA Prop 65); WA Appen1	Pesticide	

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43216-70-2	3-OH-o,p'-DDT	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	Pesticide breakdown product	
50471-44-8	2,4-oxazolidinedione, 3-(3,5-dichlorophenyl)-5-ethenyl-5-methyl-	Cancer, Development, Endocrine System		Maine (CA Prop 65; EU Endocrine Disruptor; OSPAR Chemicals of Concern); WA Appen1	Pesticide	
50585-41-6	2,3,7,8-tetrabromodibenzo-pdioxin [Polybrominated dibenzodioxins and furans]	Endocrine system	x	Maine (EU Endocrine Disruptor; WA PBT List); WA Appen1	Dioxin	
50772-29-7	butanoyl chloride, 4-[2,4-bis(1,1-dimethylpropyl)phenoxy]-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Chemical intermediate	
50849-47-3	benzaldehyde, 2-hydroxy-5-nonyl-, oxime		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Refining and processing of metals	
51000-52-3	neodecanoic acid, ethenyl ester		x	Maine (OSPAR Chemicals of Concern; OSPAR Chemicals for Priority Action); WA Appen1	Polymerization	x
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran		x	Maine (EPA Final PBT Rule for TRI; WA PBT List); WA Appen1	Furan	
51218-45-2	Metolachlor	Development		WA Appen1; Minnesota HBV	Pesticide	
51235-04-2	Hexazinone	Body weight		IRIS; WA Appen1	Pesticide	
51338-27-3	Diclofop methyl	Cancer, Development		Maine (CA Prop 65); WA Appen1	Pesticide	
51630-58-1	Pydrin	Nervous system		IRIS; WA Appen1	Pesticide (EPA reg. cancelled)	
51775-36-1	2,2,5-endo,6-exo,8,9,10-heptachloronorbornane		x	Maine (OSPAR Chemicals of Concern); WA Appen1		
52315-07-8	Cypermethrin	Gastrointestinal system		IRIS; WA Appen1	Pesticide, pharmaceutical	
52434-90-9	1,3,5-triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-tris(2,3-dibromopropyl)-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Flame retardant	
52591-25-0	9,10-Anthracenedione, 2,2'-(1,3,4-oxadiazole-2,5-diyl)bis[1-amino-		x	Maine (Canada PBiT); WA Appen1		
52645-53-1	Permethrin	Liver		IRIS; WA Appen1	Pesticide	
52663-72-6	2,3',4,4',5,5'-Hexachlorobiphenyl		x	Maine (EPA Final PBT Rule for TRI; WA PBT List); WA Appen1; Oregon P3 List	PCB	
52671-38-2	9,10-Anthracenedione, 2,2'-[1,4-phenylenebis(1, 3,4-oxadiazole-5,2-diyl)]bis[1-amino-		x	Maine (Canada PBiT); WA Appen1		

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52697-38-8	Acetamide, N-[2-[(2-bromo-4,6-dinitrophenyl) azo]-5-(diethylamino)phenyl]-		x	Maine (Canada PBiT); WA Appen1	Dye	
52740-90-6	2-anthracenecarboxamide, 1-amino-N-(3-bromo-9,10-dihydro-9,10-dioxo-2-anthracenyl)-9,10-dihydro-9,10-dioxo-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Pigment	
52918-63-5	Deltamethrin		x	Maine (EU Endocrine Disruptor); WA Appen1; Oregon P3 List	Pesticide	
53184-75-1	Phosphorous acid, (1-methylethylidene)di-4,1-phenylene tetrakis[(3-ethyl-3-oxetanyl)methyl] ester		x	Maine (Canada PBiT); WA Appen1		
53404-19-6	Bromacil lithium salt	Development, Reproduction		Maine (CA Prop 65); WA Appen1	Pesticide	
53469-21-9	PCB Aroclor 1242	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	PCB	
53555-66-1	3,4',5-Trichlorobiphenyl	Endocrine system		EU Category 1 Endocrine disruptor	PCB congener	
53742-07-7	1,1'-biphenyl, nonachloro-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	PCB	
53905-33-2	4-Hydroxy-2,2',5'-trichlorobiphenyl	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	PCB	
53973-98-1	Polygeenan	Cancer		Maine (CA Prop 65); WA Appen1	Food additive	
54079-53-7	Propanedinitrile, [[4-[[2-(4-cyclohexylphenoxy) ethyl]ethylamino]-2-methylphenyl]methylene]- (Disperse Yellow 201)		x	Maine (Canada PBiT); WA Appen1	Dye	
54079-60-6	Propanedinitrile, [[4-[[2-(2-cyclohexylphenoxy) ethyl]ethylamino]-2-methylphenyl]methylene]-		x	Maine (Canada PBiT); WA Appen1		
54243-60-6	9,10-Anthracenedione, 1-amino-4-hydroxy-2-(4-methoxyphenoxy)-		x	Maine (Canada PBiT); WA Appen1		
54991-93-4	Clophen A30	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	PCB	
55252-53-4	Acetamide, N-[2-[(2-cyano-6-iodo-4-nitrophenyl) azo]-5-(diethylamino)phenyl]-		x	Maine (Canada PBiT); WA Appen1		

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55281-26-0	Propanenitrile, 3-[[4-[(2,6-dibromo-4-nitrophenyl) azo]phenyl]ethylamino]- (Disperse Orange 61)		x	Maine (Canada PBiT); WA Appen1	Dye	
55285-14-8	Carbosulfan	Body weight		IRIS; WA Appen1	Pesticide (EPA reg. cancelled)	
55525-54-7	3,3'-(ureylenedimethylene)bis(3,5,5-trimethylcyclohexyl) diisocyanate		x	Maine (OSPAR Chemicals of Concern; OSPAR Chemicals for Priority Action); WA Appen1		
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran		x	Maine (EPA Final PBT Rule for TRI; WA PBT List); WA Appen1	Furan	
55702-46-0	PCB 21 (2,3,4-Trichlorobiphenyl)	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	PCB	
55738-54-0	trans-2-[(Dimethylamino)methylimino]-5-[2-(5-nitro-2-furyl)vinyl]-1,3,4-oxadiazole	Cancer	x	Maine (CA Prop 65); WA Appen1		
56307-70-1	Benzenediazonium, 2-methoxy-4-nitro-, salt with naphthalenedisulfonic acid (2:1)		x	Maine (Canada PBiT); WA Appen1	Dye	
56425-91-3	Flurprimidol	Liver, Reproduction		IRIS; WA Appen1	Pesticide	
56532-53-7	Acetamide, N-[2-[(2,6-dicyano-4-nitrophenyl) azo]-5-(dipropylamino)phenyl]-		x	Maine (Canada PBiT); WA Appen1		
56558-16-8	PCB 104 (2,2',4,6,6'-Pentachlorobiphenyl)	Endocrine system		Maine (EU Endocrine Disruptor)		
56614-97-2	3,9-Dihydroxybenz(a)anthracene	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	Metabolite of benz(a)anthracene	
57018-52-7	Propylene glycol mono-t-butyl ether	Cancer		Maine (CA Prop 65); WA Appen1	Solvent	
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	Endocrine system	x	Maine (EU Endocrine Disruptor; EPA Final PBT Rule for TRI; WA PBT List); WA Appen1	Furan	
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran		x	Maine (EPA Final PBT Rule for TRI; WA PBT List); WA Appen1	Furan	
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran		x	Maine (EPA Final PBT Rule for TRI; WA PBT List); WA Appen1	Furan	

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57465-28-8	3,3',4,4',5-Pentachlorobiphenyl	Endocrine system	x	Maine (EU Endocrine Disruptor; EPA Final PBT Rule for TRI); WA Appen1; Oregon P3 List	PCB	
57583-35-4	Dimethyltin bis[2-ethylhexyl thioglycolate] [DMT(EHTG)]	Skin		OECD - SIDS/SIAR	Production of films, sheets, injection moldings	x
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	Cancer	x	Maine (IRIS; EPA Final PBT Rule for TRI); WA Appen1	Dioxin	
57835-92-4	4-Nitropyrene	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Particulates in emissions from combustion	
57837-19-1	Metalaxyl	Blood chemistry, Organ weights		IRIS; WA Appen1	Pesticide	
58019-27-5	Anthra[9,1,2-cde]benzo[rst]pentaphene-5,10-dione, diamino-		x	Maine (Canada PBiT); WA Appen1		
58138-08-2	oxirane, 2-(3,5-dichlorophenyl)-2-(2,2,2-trichloroethyl)-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Pesticide (EPA reg. cancelled)	
58161-93-6	Benzoic acid, 4-[1-[[(2,4-dichlorophenyl) amino]carbonyl]-3,3-dimethyl-2-oxobutoxy]-		x	Maine (Canada PBiT); WA Appen1	Photographic / photocopier	
59447-55-1	2-propenoic acid, (pentabromophenyl)methyl ester		x	Maine (OSPAR Chemicals of Concern; OSPAR Chemicals for Priority Action); WA Appen1		
59487-23-9	2-Naphthalenecarboxamide, 4-[[5-[[[4-(aminocarbonyl) phenyl]amino]carbonyl]-2-methoxyphenyl]azo]-N-(5 -chloro-2,4-dimethoxyphenyl)-3-hydroxy- (Pigment Red 187)		x	Maine (Canada PBiT); WA Appen1	Pigment	
59536-65-1	Hexabromobiphenyl		x	Maine (WA PBT List); WA Appen1	Flame retardant	
59583-77-6	Carbamic acid, (3,4-dichlorophenyl)-, 2-[butyl[4-(2,2-dicyanoethenyl) -3-methylphenyl]amino]ethyl ester		x	Maine (Canada PBiT); WA Appen1		
59653-74-6	beta-Triglycidyl isocyanurate (β-TGIC)	Mutagenic (Genotoxic)		REACH Substances of Very High Concern	curing agent in polyester powder paints	
59669-26-0	Thiodicarb	Cancer		Maine (CA Prop 65); WA Appen1	Pesticide	

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59709-10-3	Pyridinium, 1-[2-[[4-[(2-chloro-4-nitrophenyl) azo]phenyl]ethylamino]ethyl]-, acetate		x	Maine (Canada PBiT); WA Appen1		
59756-60-4	Fluridone	Body weight, Eyes, Organ weight, Reproduction		IRIS; WA Appen1	Pesticide	
60153-49-3	3-(N-Nitrosomethylamino) propionitrile	Cancer		Maine (CA Prop 65); WA Appen1		
60168-88-9	Fenarimol	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	Pesticide	
60207-90-1	Propiconazole	Eyes, Gastrointestinal system		IRIS; WA Appen1	Pesticide, wood preservation	
60348-60-9	PBDE-099 [2,2',4,4',5-Pentabromodiphenyl ether]		x	WA Appen1; Oregon P3 List	Flame retardant	
60391-92-6	N-Carboxymethyl-N-nitrosourea	Cancer		Maine (CA Prop 65); WA Appen1	Reaction of glycocyamine	
60568-05-0	Furmecyclox	Cancer		Maine (CA Prop 65; IRIS); WA Appen1	Pesticide (not EPA registered)	
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran		x	Maine (EPA Final PBT Rule for TRI; WA PBT List); WA Appen1	Furan	
61788-33-8	terphenyl, chlorinated		x	Maine (OSPAR Chemicals of Concern); WA Appen1	In pesticides	
61788-76-9	Alkanes, chloro		x	Maine (Canada PBiT); WA Appen1	Lubricants and coolants in metals	x
62450-06-0	Trp-P-1 (Tryptophan-P-1)	Cancer		Maine (CA Prop 65); WA Appen1	Charred fish	
62450-07-1	Trp-P-2 (Tryptophan-P-2)	Cancer		Maine (CA Prop 65); WA Appen1	Charred fish	
62476-59-9	Acifluorfen sodium	Cancer		Maine (CA Prop 65); WA Appen1	Pesticide	
62625-32-5	Phenol, 4,4'-(3H-1,2-benzoxathiol- 3-ylidene)bis[2,6-dibromo-3-methyl-, S,S-dioxide, monosodium salt		x	Maine (Canada PBiT)l WA Appen1	Dye	
63133-84-6	1(2H)-Quinolineethanol, 6-[(2-chloro-4,6-dinitrophenyl) azo]-3,4-dihydro-2,2,4,7-tetramethyl-		x	Maine (Canada PBiT); WA Appen1		
63134-15-6	Acetamide, N-[5-(dipropylamino)-2-[[5-(ethylthio)-1,3,4-thiadiazol-2-yl]azo]phenyl]-		x	Maine (Canada PBiT); WA Appen1	Colorant	

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63449-39-8	paraffin waxes and hydrocarbon waxes, chlorinated		x	Maine (OSPAR Chemicals of Concern; Canada PBiT); WA Appen1	Flame retardant	x
63467-15-2	1(2H)-Quinolinepropanamide, 6-(2,2-dicyanoethenyl)-3, 4-dihydro-2,2,4,7-tetramethyl-N-phenyl-		x	Maine (Canada PBiT); WA Appen1		
63467-19-6	Propanedinitrile, [[1,2,3,4-tetrahydro-2,2, 4-trimethyl-1-[2-[[(phenylamino)carbonyl]oxy]ethyl]-6-quinolinyl]methylene]-		x	Maine (Canada PBiT); WA Appen1		
64086-95-9	9,10-Anthracenedione, 1-amino-2-bromo-4-[[4-[(1- methylethyl)amino]-6-phenyl-1,3,5-triazin-2-yl]amino]-		x	Maine (Canada PBiT); WA Appen1	Dye	
64086-96-0	9,10-Anthracenedione, 2-acetyl-1-amino-4-[[4-[(1-methylethyl)amino]-6-phenyl-1,3,5-triazin-2-yl]amino]-		x	Maine (Canada PBiT); WA Appen1		
64091-91-4	4-(N-Nitrosomethylamino)-1-(3-pyridyl)1-butanone	Cancer		Maine (CA Prop 65; IARC; NTP 11th ROC); WA Appen1	Tobacco smoke	
64111-81-5	Triclosan		x	Maine (Canada PBiT); WA Appen1	Antimicrobial	
64131-85-7	phosphorothioic acid, O,O,O-tris(4-nitrophenyl) ester		x	Maine (OSPAR Chemicals of Concern); WA Appen1		
64325-78-6	Adenosine, N-benzoyl-5'-O-[bis(4-methoxyphenyl) phenylmethyl]-2'-deoxy-		x	Maine (Canada PBiT); WA Appen1		
64338-16-5	7-Oxa-3,20-diazadispiro[5.1.11.2] heneicosan-21-one, 2,2,4,4-tetramethyl-		x	Maine (Canada PBiT); WA Appen1	Paint/coating additives, photosensitive, plastics	
64365-17-9	Resin acids and Rosin acids, hydrogenated, esters with pentaerythritol		x	Maine (Canada PBiT); WA Appen1	Adhesives	x
64381-97-1	1,4-benzenediamine, N,N,N'-tris(1-methylpropyl)-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Gasoline additive	
64741-42-0	Naphtha (petroleum), full-range straight-run		x	Maine (Canada PBiT); WA Appen1		x
64741-47-5	Natural gas condensates (petroleum)		x	Maine (Canada PBiT); WA Appen1		x
64741-50-0	Distillates (petroleum), light paraffinic, Unrefined or mildly refined baseoil	Cancer		Maine (EU Carcinogen)		x

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64741-51-1	Distillates (petroleum), heavy paraffinic, Unrefined or mildly refined baseoil	Cancer		Maine (EU Carcinogen)		x
64741-52-2	Distillates (petroleum), light naphthenic, Unrefined or mildly refined baseoil	Cancer		Maine (EU Carcinogen)		x
64741-53-3	Distillates (petroleum), heavy naphthenic, Unrefined or mildly refined baseoil	Cancer		Maine (EU Carcinogen)		x
64741-58-8	Gas oils (petroleum), light vacuum		x	Maine (Canada PBiT); WA Appen1		x
64741-61-3	Distillates (petroleum), heavy catalytic cracked		x	Maine (Canada PBiT); WA Appen1		x
64741-67-9	Residues (petroleum), catalytic reformer fractionator		x	Maine (Canada PBiT); WA Appen1		x
64741-78-2	Naphtha (petroleum), heavy hydrocracked		x	Maine (Canada PBiT); WA Appen1		x
64741-81-7	Distillates (petroleum), heavy thermal cracked		x	Maine (Canada PBiT); WA Appen1		x
64741-83-9	Naphtha (petroleum), heavy thermal cracked		x	Maine (Canada PBiT); WA Appen1		x
64741-85-1	Raffinates (petroleum), sorption process		x	Maine (Canada PBiT); WA Appen1		x
64741-87-3	Naphtha (petroleum), sweetened		x	Maine (Canada PBiT); WA Appen1		x
64742-18-3	Distillates (petroleum), acid-treated heavy naphthenic, Unrefined or mildly refined baseoil	Cancer		Maine (EU Carcinogen)		
64742-19-4	Distillates (petroleum), acid-treated light naphthenic, Unrefined or mildly refined baseoil	Cancer		Maine (EU Carcinogen)		
64742-20-7	Distillates (petroleum), acid-treated heavy paraffinic, Unrefined or mildly refined baseoil	Cancer		Maine (EU Carcinogen)		
64742-21-8	Distillates (petroleum), acid-treated light paraffinic, Unrefined or mildly refined baseoil	Cancer		Maine (EU Carcinogen)		
64742-22-9	Naphtha (petroleum), chemically neutralized heavy		x	Maine (Canada PBiT); WA Appen1		x

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64742-27-4	Distillates (petroleum), chemically neutralized heavy paraffinic, Unrefined or mildly refined baseoil	Cancer		Maine (EU Carcinogen)		
64742-28-5	Distillates (petroleum), chemically neutralized light paraffinic, Unrefined or mildly refined baseoil	Cancer		Maine (EU Carcinogen)		
64742-34-3	Distillates (petroleum), chemically neutralized heavy naphthenic, Unrefined or mildly refined baseoil	Cancer		Maine (EU Carcinogen)		
64742-35-4	Distillates (petroleum), chemically neutralized light naphthenic, Unrefined or mildly refined baseoil	Cancer		Maine (EU Carcinogen)		
64742-48-9	Naphtha (petroleum), hydrotreated heavy		x	Maine (Canada PBiT); WA Appen1		x
64742-59-2	Gas oils (petroleum), hydrotreated vacuum		x	Maine (Canada PBiT); WA Appen1		x
64742-66-1	Naphtha (petroleum), catalytic dewaxed		x	Maine (Canada PBiT); WA Appen1		
64742-82-1	Naphtha (petroleum), hydrodesulfurized heavy		x	Maine (Canada PBiT); WA Appen1		x
64742-87-6	Gas oils (petroleum), hydrodesulfurized light vacuum		x	Maine (Canada PBiT); WA Appen1		x
64742-90-1	Residues (petroleum), steam-cracked		x	Maine (Canada PBiT); WA Appen1		x
64902-72-3	Chlorsulfuron	Development, Reproduction		Maine (CA Prop 65); WA Appen1	Pesticide	
65140-91-2	Phosphonic acid, [[3,5-bis(1,1-dimethylethyl) -4-hydroxyphenyl]methyl]-, monoethyl ester, calcium salt (2:1)		x	Maine (Canada PBiT); WA Appen1		
65148-72-3	4-MeO-o,p'-DDT	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	DDT metabolite	
65148-73-4	5-OH-o,p'-DDT	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	DDT metabolite	
65148-74-5	5-MeO-o,p'-DDT	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	DDT metabolite	
65148-75-6	5-MeO-o,p'-DDD	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	DDT metabolite	

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65148-80-3	3-MeO-o,p'-DDE	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	DDT metabolite	
65148-81-4	4-MeO-o,p'-DDE	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	DDT metabolite	
65148-82-5	5-MeO-o,p'-DDE	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	DDT metabolite	
65148-83-6	o,p'-DDA-glycinat = N-[(2-chlorophenyl)(4-chlorophenyl)acettyl]glycin	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1		
65195-55-3	Avermectin B1	Development		IRIS; WA Appen1	Pesticide, veterinary pharmaceutical	
65294-17-9	methylium, tris[4-(dimethylamino)phenyl]-, salt with 3-[[4-(phenylamino)phenyl]azo]benzenesulfonic acid (1:1)		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Ink	
65510-44-3	2',3,4,4',5-Pentachlorobiphenyl		x	Maine (EPA Final PBT Rule for TRI); WA Appen1; Oregon P3 List	PCB	
65925-28-2	benzene, 1-[2-(2-chloroethoxy)ethoxy]-4-(1,1,3,3-tetramethylbutyl)-		x	Maine (OSPAR Chemicals of Concern); WA Appen1		
65996-89-6	Coal tar, Tar, coal, high-temp.	Cancer		Maine (EU Carcinogen; NTP 11th ROC)		x
65996-90-9	Coal oil, Tar, coal, low-temp.	Cancer		Maine (EU Carcinogen)		
65996-93-2	Pitch, coal tar, hightemp.	Cancer	x	Maine (IARC; NTP 11th ROC; EU PBT List) REACH Substances of Very High Concern; WA Appen1	Coal tar, shampoo, pharmaceutical	x
65997-06-0	Rosin, hydrogenated		x	Maine (Canada PBiT); WA Appen1	Colorant, adhesive, solvent, plastics	x
65997-13-9	Resin acids and Rosin acids, hydrogenated, esters with glycerol		x	Maine (Canada PBiT); WA Appen1	Adhesive, paint, sealant	x
66215-27-8	Cyromazine	Blood		IRIS; WA Appen1	Pesticide	
66230-04-4	Esfenvalerate		x	Oregon P3 List	Pesticide, pyrethroid	
66332-96-5	Flutolanil	Development		IRIS; WA Appen1	Pesticide	
66441-23-4	Fenoxaprop ethyl	Development		Maine (CA Prop 65); WA Appen1	Pesticide (EPA reg. cancelled)	
66733-21-9	Erionite (cakna (Al2Si7O18)2.14H2O))	Cancer		Maine (CA Prop 65; IARC; NTP 11th ROC); WA Appen1		
66841-25-6	Tralomethrin	Body weight		IRIS; WA Appen1	Pesticide	

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67124-09-8	2-propanol, 1-(tert-dodecylthio)-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Alcohol	
67219-55-0	Cytidine, N-benzoyl-5'-O-[bis(4-methoxyphenyl) phenylmethyl]-2'-deoxy-		x	Maine (Canada PBiT); WA Appen1	Nucleoside	
67485-29-4	hydramethylnon	Development, Reproduction	x	Maine (OSPAR Chemicals of Concern); WA Appen1	Pesticide	
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran		x	Maine (EPA Final PBT Rule for TRI; WA PBT List); WA Appen1	Furan	
67651-34-7	4-Hydroxy-2',3',4',5'-tetrachlorobiphenyl	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	PCB	
67651-37-0	3-Hydroxy-2',3',4',5'-tetrachlorobiphenyl	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	PCB	
67701-37-5	Stannane, [(2-octyl-1,4-dioxo-1,4-butanediyl) bis(oxy)]bis[tributyl-		x	Maine (Canada PBiT); WA Appen1		
67733-57-7	2,3,7,8-tetrabromodibenzofuran [Polybrominated dibenzodioxins and furans]		x	Maine (WA PBT List); WA Appen1	Furan	
67747-09-5	Prochloraz		x	WA Appen1; Oregon P3 List	Pesticide (not EPA registered)	
67940-02-7	1-Heptanesulfonamide, N-[3-(dimethylamino)propyl] - 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro- , monohydrochloride		x	Maine (Canada PBiT); WA Appen1	PFC	
67969-69-1	1-octanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-[2-(phosphonooxy)ethyl]-, diammonium salt		x	Maine (OSPAR Chemicals of Concern; Canada PBiT); WA Appen1	PFC	
68006-83-7	Me-A-alpha-C (2-Amino-3-methyl-9H-pyrido[2,3-b]indole)	Cancer		Maine (CA Prop 65); WA Appen1	Formed during cooking	
68015-60-1	benzenesulfonic acid, 2-amino-, (1-methylethylidene)di-4,1-phenylene ester		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Paints, lacquers	
68083-48-7	2-butanone, O-[[[[1,3,3-trimethyl-5-[[[[(1-methylpropylidene)amino]oxy]carbonyl]amino]cyclohexyl]methyl]amino]carbonyl]oxime		x	Maine (OSPAR Chemicals of Concern); WA Appen1		

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68085-85-8	cyclopropanecarboxylic acid, 3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethyl-, cyano(3-phenoxyphenyl)methyl ester		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Pesticide (not EPA registered)	
68131-75-9	Gases (petroleum), C3-4; Petroleum gas; [A complex combination of hydrocarbons produced by distillation of products from the cracking of crude oil. It consists of hydrocarbons having carbon numbers in the range of C3 through C4, predominantly of propane and propylene, and boiling in the range of approximately -51°C to -1°C (-60°F to 30°F.)]	Cancer		Maine (EU Carcinogen)		x
68214-66-4	Carbamic acid, [2-[(2-chloro-4-nitrophenyl) azo]-5-(diethylamino)phenyl]-, 2-ethoxyethyl ester		x	Maine (Canada PBiT); WA Appen1		
68227-79-2	Benzenesulfonic acid, 2-[[9,10-dihydro-4-[(4-methylphenyl) amino]-9,10-dioxo-1-anthracenyl]amino] -5-methyl-, monoammonium salt		x	Maine (Canada PBiT); WA Appen1		
68259-14-3	1-Heptanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7, 7,7-pentadecafluoro-N-methyl-		x	Maine (Canada PBiT); WA Appen1	PFC	
68259-15-4	1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-methyl-		x	Maine (Canada PBiT); WA Appen1	PFC	
68298-13-5	1-Pentanesulfonamide, 1,1,2,2,3,3,4,4,5,5,5-undecafluoro-N-methyl-		x	Maine (Canada PBiT); WA Appen1	PFC	

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68307-98-2	Tail gas (petroleum), catalytic cracked distillate and catalytic cracked naphtha fractionation absorber; Petroleum gas; [The complex combination of hydrocarbons from the distillation of the products from catalytic cracked distillates and catalytic cracked naphtha. It consists predominantly of hydrocarbons having carbon numbers in the range of C1 through C4.]	Cancer		Maine (EU Carcinogen)		
68307-99-3	Tail gas (petroleum), catalytic polymn. naphtha fractionation stabilizer; Petroleum gas; [A complex combination of hydrocarbons from the fractionation stabilization products from polymerization of naphtha. It consists predominantly of hydrocarbons having carbon numbers in the range of C1 through C4.]	Cancer		Maine (EU Carcinogen)		
68308-00-9	Tail gas (petroleum), catalytic reformed naphtha fractionation stabilizer, hydrogen sulfide-free; Petroleum gas; [A complex combination of hydrocarbons obtained from fractionation stabilization of catalytic reformed naphtha and from which hydrogen sulfide has been removed by amine treatment. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C4.]	Cancer		Maine (EU Carcinogen)		

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68308-01-0	Tail gas (petroleum), cracked distillate hydrotreater stripper; Petroleum gas; [A complex combination of hydrocarbons obtained by treating thermal cracked distillates with hydrogen in the presence of a catalyst. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C1 through C6.]	Cancer		Maine (EU Carcinogen)		
68308-03-2	Tail gas (petroleum), gas oil catalytic cracking absorber; Petroleum gas; [A complex combination of hydrocarbons obtained from the distillation of products from the catalytic cracking of gas oil. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]	Cancer		Maine (EU Carcinogen)		
68308-04-3	Tail gas (petroleum), gas recovery plant; Petroleum gas; [A complex combination of hydrocarbons from the distillation of products from miscellaneous hydrocarbon streams. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]	Cancer		Maine (EU Carcinogen)		x
68308-05-4	Tail gas (petroleum), gas recovery plant deethanizer; Petroleum gas; [A complex combination of hydrocarbons from the distillation of products from miscellaneous hydrocarbon streams. It consists of hydrocarbons having carbon numbers predominantly in the range of C1 through C4.]	Cancer		Maine (EU Carcinogen)		x

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68308-06-5	Tail gas (petroleum), hydrodesulfurized distillate and hydrodesulfurized naphtha fractionator, acid-free; Petroleum gas; [A complex combination of hydrocarbons obtained from fractionation of hydrodesulfurized naphtha and distillate hydrocarbon streams and treated to remove acidic impurities. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]	Cancer		Maine (EU Carcinogen)		x
68308-07-6	Tail gas (petroleum), hydrodesulfurized vacuum gas oil stripper, hydrogen sulfide-free; Petroleum gas; [A complex combination of hydrocarbons obtained from stripping stabilization of catalytic hydrodesulfurized vacuum gas oil and from which hydrogen sulfide has been removed by amine treatment. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C6.]	Cancer		Maine (EU Carcinogen)		
68308-08-7	Tail gas (petroleum), isomerized naphtha fractionation stabilizer; Petroleum gas; [A complex combination of hydrocarbons obtained from the fractionation stabilization products from isomerized naphtha. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C4.	Cancer		Maine (EU Carcinogen)		x

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68308-09-8	Tail gas (petroleum), light straight-run naphtha stabilizer, hydrogen sulfide-free; Petroleum gas; [A complex combination of hydrocarbons obtained from fractionation stabilization of light straight run naphtha and from which hydrogen sulfide has been removed by amine treatment. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]	Cancer		Maine (EU Carcinogen)		
68308-10-1	Tail gas (petroleum), straight-run distillate hydrodesulfurizer, hydrogen sulfide-free; Petroleum gas; [A complex combination of hydrocarbons obtained from catalytic hydrodesulfurization of straight run distillates and from which hydrogen sulfide has been removed by amine treatment. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C4.]	Cancer		Maine (EU Carcinogen)		
68308-11-2	Tail gas (petroleum), propane-propylene alkylation feed prep deethanizer; Petroleum gas; [A complex combination of hydrocarbons obtained from the distillation of the reaction products of propane with propylene. It consists of hydrocarbons having carbon numbers predominantly in the range of C1 through C4.]	Cancer		Maine (EU Carcinogen)		x

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68308-12-3	Tail gas (petroleum), vacuum gas oil hydrodesulfurizer, hydrogen sulfide-free; Petroleum gas; [A complex combination of hydrocarbons obtained from catalytic hydrodesulfurization of vacuum gas oil and from which hydrogen sulfide has been removed by amine treatment. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C6.]	Cancer		Maine (EU Carcinogen)		x
68308-34-9	Shale-oils	Cancer		Maine (CA Prop 65; IARC); WA Appen1	Oil	
68308-48-5	Amines, tallow alkyl, ethoxylated, phosphates		x	Maine (Canada PBiT); WA Appen1	Surfactant in pesticide	
68333-22-2	Residues (petroleum), atmospheric		x	Maine (Canada PBiT); WA Appen1	Petroleum	x
68359-37-5	Baythroid (Cyfluthrin)	Body weight, Kidney		IRIS; WA Appen1	Pesticide	
68391-08-2	Alcohols, C8-14, γ-ω-perfluoro		x	Maine (Canada PBiT); WA Appen1	PFC	
68409-99-4	Gases (petroleum), catalytic cracked overheads; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of products from the catalytic cracking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C3 through C5 and boiling in the range of approximately -48°C to 32°C (-54°F to 90°F).]	Cancer		Maine (EU Carcinogen)		x
68410-00-4	Distillates (petroleum), crude oil		x	Maine (Canada PBiT); WA Appen1		x
68412-48-6	2-Propanone, reaction products with diphenylamine		x	Maine (Canada PBiT); WA Appen1	Antioxidant	
68412-68-0	Phosphonic acid, perfluoro-C6-12-alkyl derivs.		x	Maine (Canada PBiT); WA Appen1	PFC	

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68440-24-4	Fatty acids, tall-oil, 2-mercaptoethyl esters (2-MET)	Development		OECD - SIDS/SIAR	Reactant for organotin PVC stabilizers, approved for indirect food contact	x
68443-10-7	Amines, C18-22-tert-alkyl, ethoxylated		x	Maine (Canada PBiT); WA Appen1		
68475-57-0	Alkanes, C1-2, Petroleum gas	Cancer		Maine (EU Carcinogen)		
68475-58-1	Alkanes, C2-3, Petroleum gas	Cancer		Maine (EU Carcinogen)		x
68475-59-2	Alkanes, C3-4, petroleum gas	Cancer		Maine (EU Carcinogen)		x
68475-60-5	Alkanes, C4-5, Petroleum gas	Cancer		Maine (EU Carcinogen)		x
68476-26-6	Fuel gases, Petroleum gas, [A combination of light gases. It consists predominantly of hydrogen and/or low molecular weight hydrocarbons.]	Cancer		Maine (EU Carcinogen)		x
68476-29-9	Fuel gases, crude oil of distillates; Petroleum gas; [A complex combination of light gases produced by distillation of crude oil and by catalytic reforming of naphtha. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C1 through C4 and boiling in the range of approximately -217°C to -12°C (-423°F to 10°F).]	Cancer		Maine (EU Carcinogen)		x
68476-31-3	Fuel oil, no. 4		x	Maine (Canada PBiT); WA Appen1		x
68476-40-4	Hydrocarbons, C3-4, Petroleum gas	Cancer		Maine (EU Carcinogen)		x
68476-42-6	Hydrocarbons, C4-5, Petroleum gas	Cancer		Maine (EU Carcinogen)		x
68476-44-8	Hydrocarbons, C>3		x	Maine (Canada PBiT); WA Appen1		x
68476-46-0	Hydrocarbons, C3-11, catalytic cracker distillates		x	Maine (Canada PBiT); WA Appen1		x
68476-49-3	Hydrocarbons, C2-4, C3-rich; Petroleum gas	Cancer		Maine (EU Carcinogen)		x
68476-77-7	Lubricating oils, refined used		x	Maine (Canada PBiT); WA Appen1		

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68476-85-7	Petroleum gases, liquefied; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C3 through C7 and boiling in the range of approximately -40 °C to 80 °C (-40 °F to 176 °F).]	Cancer		Maine (EU Carcinogen)		x
68476-86-8	Petroleum gases, liquefied, sweetened; Petroleum gas; [A complex combination of hydrocarbons obtained by subjecting liquefied petroleum gas mix to a sweetening process to convert mercaptans or to remove acidic impurities. It consists of hydrocarbons having carbon numbers predominantly in the range of C3 through C7 and boiling in the range of approximately -40 °C to 80 °C (-40 °F to 176 °F).]	Cancer		Maine (EU Carcinogen)		x
68477-33-8	Gases (petroleum), C3-4, isobutane-rich; Petroleum gas; [A complex combination of hydrocarbons from the distillation of saturated and unsaturated hydrocarbons usually ranging in carbon numbers from C3 through C6, predominantly butane and isobutane. It consists of saturated and unsaturated hydrocarbons having carbon numbers in the range of C3 through C4, predominantly isobutane.]	Cancer		Maine (EU Carcinogen)		x

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68477-35-0	Distillates (petroleum), C3-6, piperylene-rich; Petroleum gas; [A complex combination of hydrocarbons from the distillation of saturated and unsaturated aliphatic hydrocarbons usually ranging in the carbon numbers C3 through C6. It consists of saturated and unsaturated hydrocarbons having carbon numbers in the range of C3 through C6, predominantly piperylenes.]	Cancer		Maine (EU Carcinogen)		x
68477-65-6	Gases (petroleum), amine system feed; Refinery gas; [The feed gas to the amine system for removal of hydrogen sulfide. It consists of hydrogen. Carbon monoxide, carbon dioxide, hydrogen sulfide and aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C5 may also be present.]	Cancer		Maine (EU Carcinogen)		x
68477-66-7	Gases (petroleum), benzene unit hydrodesulfurizer off; Refinery gas; [Off gases produced by the benzene unit. It consists primarily of hydrogen. Carbon monoxide and hydrocarbons having carbon numbers predominantly in the range of C1 through C6, including benzene, may also be present.]	Cancer		Maine (EU Carcinogen)		
68477-67-8	Gases (petroleum), benzene unit recycle, hydrogen-rich; Refinery gas; [A complex combination of hydrocarbons obtained by recycling the gases of the benzene unit. It consists primarily of hydrogen with various small amounts of carbon monoxide and hydrocarbons having carbon numbers in the range of C1 through C6.]	Cancer		Maine (EU Carcinogen)		

CAS Number	Chemical Name	Health endpoint(s)	Persistent, Bioaccumulative, Toxic (PBT) or very Persistent, very Bioaccumulative (vPvB)	Source(s)	Use example(s) or class	HPV (2006 and 3 of 4 years)[1,2]
68477-68-9	Gases (petroleum), blend oil, hydrogen-nitrogen-rich; Refinery gas; [A complex combination of hydrocarbons obtained by distillation of a blend oil. It consists primarily of hydrogen and nitrogen with various small amounts of carbon monoxide, carbon dioxide, and aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]	Cancer		Maine (EU Carcinogen)		
68477-69-0	Gases (petroleum), butane splitter overheads; Petroleum gas; [A complex combination of hydrocarbons obtained from the distillation of the butane stream. It consists of aliphatic hydrocarbons having carbon numbers predominantly in the range of C3 through C4.]	Cancer		Maine (EU Carcinogen)		x
68477-70-3	Gases (petroleum), C2-3; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of products from a catalytic fractionation process. It contains predominantly ethane, ethylene, propane, and propylene.]	Cancer		Maine (EU Carcinogen)		x
68477-71-4	Gases (petroleum), catalytic-cracked gas oil depropanizer bottoms, C4-rich acid-free; Petroleum gas; [A complex combination of hydrocarbons obtained from fractionation of catalytic cracked gas oil hydrocarbon stream and treated to remove hydrogen sulfide and other acidic components. It consists of hydrocarbons having carbon numbers in the range of C3 through C5, predominantly C4.]	Cancer		Maine (EU Carcinogen)		x

CAS Number	Chemical Name	Health endpoint(s)	Persistent, Bioaccumulative, Toxic (PBT) or very Persistent, very Bioaccumulative (vPvB)	Source(s)	Use example(s) or class	HPV (2006 and 3 of 4 years)[1,2]
68477-72-5	Gases (petroleum), catalytic-cracked naphtha debutanizer bottoms, C3-5-rich; Petroleum gas; [A complex combination of hydrocarbons obtained from the stabilization of catalytic cracked naphtha. It consists of aliphatic hydrocarbons having carbon numbers predominantly in the range of C3 through C5.]	Cancer		Maine (EU Carcinogen)		
68477-73-6	Gases (petroleum), catalytic cracked naphtha depropanizer overhead, C3-rich acid-free; Petroleum gas; [A complex combination of hydrocarbons obtained from fractionation of catalytic cracked hydrocarbons and treated to remove acidic impurities. It consists of hydrocarbons having carbon numbers in the range of C2 through C4, predominantly C3.]	Cancer		Maine (EU Carcinogen)		
68477-74-7	Gases (petroleum), catalytic cracker; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of the products from a catalytic cracking process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C6.]	Cancer		Maine (EU Carcinogen)		x
68477-75-8	Gases (petroleum), catalytic cracker, C1-5-rich; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of products from a catalytic cracking process. It consists of aliphatic hydrocarbons having carbon numbers in the range of C1 through C6, predominantly C1 through C5.]	Cancer		Maine (EU Carcinogen)		

CAS Number	Chemical Name	Health endpoint(s)	Persistent, Bioaccumulative, Toxic (PBT) or very Persistent, very Bioaccumulative (vPvB)	Source(s)	Use example(s) or class	HPV (2006 and 3 of 4 years)[1,2]
68477-76-9	Gases (petroleum), catalytic polymd. naphtha stabilizer overhead, C2-4-rich; Petroleum gas; [A complex combination of hydrocarbons obtained from the fractionation stabilization of catalytic polymerized naphtha. It consists of aliphatic hydrocarbons having carbon numbers in the range of C2 through C6, predominantly C2 through C4.]	Cancer		Maine (EU Carcinogen)		x
68477-77-0	Gases (petroleum), catalytic reformed naphtha stripper overheads; Refinery gas; [A complex combination of hydrocarbons obtained from stabilization of catalytic reformed naphtha. Its consists of hydrogen and saturated hydrocarbons having carbon numbers predominantly in the range of C1 through C4.]	Cancer		Maine (EU Carcinogen)		x
68477-79-2	Gases (petroleum), catalytic reformer, C1-4-rich; Petroleum gas; [A complex combination of hydrocarbons produced by distillation of products from a catalytic reforming process. It consists of hydrocarbons having carbon numbers in the range of C1 through C6, predominantly C1 through C4.]	Cancer		Maine (EU Carcinogen)		x

CAS Number	Chemical Name	Health endpoint(s)	Persistent, Bioaccumulative, Toxic (PBT) or very Persistent, very Bioaccumulative (vPvB)	Source(s)	Use example(s) or class	HPV (2006 and 3 of 4 years)[1,2]
68477-80-5	Gases (petroleum), C6-8 catalytic reformer recycle; Refinery gas; [A complex combination of hydrocarbons produced by distillation of products from catalytic reforming of C6-C8 feed and recycled to conserve hydrogen. It consists primarily of hydrogen. It may also contain various small amounts of carbon monoxide, carbon dioxide, nitrogen, and hydrocarbons having carbon numbers predominantly in the range of C1 through C6.]	Cancer		Maine (EU Carcinogen)		x
68477-81-6	Gases (petroleum), C6-8 catalytic reformer; Refinery gas; [A complex combination of hydrocarbons produced by distillation of products from catalytic reforming of C6-C8feed. It consists of hydrocarbons having carbon numbers in the range of C1 through C5 and hydrogen.]	Cancer		Maine (EU Carcinogen)		
68477-82-7	Gases (petroleum), C6-8 catalytic reformer recycle, hydrogen-rich; Refinery gas	Cancer		Maine (EU Carcinogen)		
68477-83-8	Gases (petroleum), C3-5 olefinic-paraffinic alkylation feed; Petroleum gas; [A complex combination of olefinic and paraffinic hydrocarbons having carbon numbers in the range of C3 through C5 which are used as alkylation feed. Ambient temperatures normally exceed the critical temperature of these combinations.]	Cancer		Maine (EU Carcinogen)		x

CAS Number	Chemical Name	Health endpoint(s)	Persistent, Bioaccumulative, Toxic (PBT) or very Persistent, very Bioaccumulative (vPvB)	Source(s)	Use example(s) or class	HPV (2006 and 3 of 4 years)[1,2]
68477-84-9	Gases (petroleum), C2-return stream; Refinery gas; [A complex combination of hydrocarbons obtained by the extraction of hydrogen from a gas stream which consists primarily of hydrogen with small amounts of nitrogen, carbon monoxide, methane, ethane, and ethylene. It contains predominantly hydrocarbons such as methane, ethane, and ethylene with small amounts of hydrogen, nitrogen and carbon monoxide.]	Cancer		Maine (EU Carcinogen)		
68477-85-0	Gases (petroleum), C4-rich; Petroleum gas; [A complex combination of hydrocarbons produced by distillation of products from a catalytic fractionation process. It consists of aliphatic hydrocarbons having carbon numbers in the range of C3 through C5, predominantly C4.]	Cancer		Maine (EU Carcinogen)		x
68477-86-1	Gases (petroleum), deethanizer overheads; Petroleum gas; [A complex combination of hydrocarbons produced from distillation of the gas and gasoline fractions from the catalytic cracking process. It contains predominantly ethane and ethylene.]	Cancer		Maine (EU Carcinogen)		x
68477-87-2	Gases (petroleum), deisobutanizer tower overheads; Petroleum gas; [A complex combination of hydrocarbons produced by the atmospheric distillation of a butane-butylene stream. It consists of aliphatic hydrocarbons having carbon numbers predominantly in the range of C3 through C4.]	Cancer		Maine (EU Carcinogen)		x

CAS Number	Chemical Name	Health endpoint(s)	Persistent, Bioaccumulative, Toxic (PBT) or very Persistent, very Bioaccumulative (vPvB)	Source(s)	Use example(s) or class	HPV (2006 and 3 of 4 years)[1,2]
68477-90-7	Gases (petroleum), depropanizer dry, propene-rich; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of products from the gas and gasoline fractions of a catalytic cracking process. It consists predominantly of propylene with some ethane and propane.]	Cancer		Maine (EU Carcinogen)		x
68477-91-8	Gases (petroleum), depropanizer overheads; Petroleum gas; [A complex combination of hydrocarbons produced by distillation of products from the gas and gasoline fractions of a catalytic cracking process. It consists of aliphatic hydrocarbons having carbon numbers predominantly in the range of C2 through C4.]	Cancer		Maine (EU Carcinogen)		x
68477-92-9	Gases (petroleum), dry sour, gas-concn.-unit-off; Refinery gas; [The complex combination of dry gases from a gas concentration unit. It consists of hydrogen, hydrogen sulfide and hydrocarbons having carbon numbers predominantly in the range of C1 through C3.]	Cancer		Maine (EU Carcinogen)		x

CAS Number	Chemical Name	Health endpoint(s)	Persistent, Bioaccumulative, Toxic (PBT) or very Persistent, very Bioaccumulative (vPvB)	Source(s)	Use example(s) or class	HPV (2006 and 3 of 4 years)[1,2]
68477-93-0	Gases (petroleum), gas concn. reabsorber distn.; Refinery gas; [A complex combination of hydrocarbons produced by distillation of products from combined gas streams in a gas concentration reabsorber. It consists predominantly of hydrogen, carbon monoxide, carbon dioxide, nitrogen, hydrogen sulfide and hydrocarbons having carbon numbers in the range of C1 through C3.]	Cancer		Maine (EU Carcinogen)		
68477-94-1	Gases (petroleum), gas recovery plant depropanizer overheads; Petroleum gas; [A complex combination of hydrocarbons obtained by fractionation of miscellaneous hydrocarbon streams. It consists predominantly of hydrocarbons having carbon numbers in the range of C1 through C4, predominantly propane.]	Cancer		Maine (EU Carcinogen)		x
68477-95-2	Gases (petroleum), Girbotol unit feed; Petroleum gas; [A complex combination of hydrocarbons that is used as the feed into the Girbotol unit to remove hydrogen sulfide. It consists of aliphatic hydrocarbons having carbon numbers predominantly in the range of C2 through C4.]	Cancer		Maine (EU Carcinogen)		
68477-96-3	Gases (petroleum), hydrogen absorber off; Refinery gas; [A complex combination obtained by absorbing hydrogen from a hydrogen rich stream. It consists of hydrogen, carbon monoxide, nitrogen, and methane with small amounts of C2 hydrocarbons.]	Cancer		Maine (EU Carcinogen)		

CAS Number	Chemical Name	Health endpoint(s)	Persistent, Bioaccumulative, Toxic (PBT) or very Persistent, very Bioaccumulative (vPvB)	Source(s)	Use example(s) or class	HPV (2006 and 3 of 4 years)[1,2]
68477-97-4	Gases (petroleum), hydrogen-rich; Refinery gas; [A complex combination separated as a gas from hydrocarbon gases by chilling. It consists primarily of hydrogen with various small amounts of carbon monoxide, nitrogen, methane, and C2 hydrocarbons.]	Cancer		Maine (EU Carcinogen)		x
68477-98-5	Gases (petroleum), hydrotreater blend oil recycle, hydrogen-nitrogen-rich; Refinery gas; [A complex combination obtained from recycled hydrotreated blend oil. It consists primarily of hydrogen and nitrogen with various small amounts of carbon monoxide, carbon dioxide and hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]	Cancer		Maine (EU Carcinogen)		
68477-99-6	Gases (petroleum), isomerized naphtha fractionator, C4-rich, hydrogen sulfide-free; Petroleum gas	Cancer		Maine (EU Carcinogen)		
68478-00-2	Gases (petroleum), recycle, hydrogen-rich; Refinery gas; [A complex combination obtained from recycled reactor gases. It consists primarily of hydrogen with various small amounts of carbon monoxide, carbon dioxide, nitrogen, hydrogen sulfide, and saturated aliphatic hydrocarbons having carbon numbers in the range of C1 through C5.]	Cancer		Maine (EU Carcinogen)		x

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68478-01-3	Gases (petroleum), reformer make-up, hydrogen-rich; Refinery gas; [A complex combination obtained from the reformers. It consists primarily of hydrogen with various small amounts of carbon monoxide and aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]	Cancer		Maine (EU Carcinogen)		x
68478-02-4	Gases (petroleum), reforming hydrotreater; Refinery gas; [A complex combination obtained from the reforming hydrotreating process. It consists primarily of hydrogen, methane, and ethane with various small amounts of hydrogen sulfide and aliphatic hydrocarbons having carbon numbers predominantly in the range of C3 through C5.]	Cancer		Maine (EU Carcinogen)		
68478-03-5	Gases (petroleum), reforming hydrotreater, hydrogen-methane-rich; Refinery gas; [A complex combination obtained from the reforming hydrotreating process. It consists primarily of hydrogen and methane with various small amounts of carbon monoxide, carbon dioxide, nitrogen and saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C2 through C5.]	Cancer		Maine (EU Carcinogen)		

CAS Number	Chemical Name	Health endpoint(s)	Persistent, Bioaccumulative, Toxic (PBT) or very Persistent, very Bioaccumulative (vPvB)	Source(s)	Use example(s) or class	HPV (2006 and 3 of 4 years)[1,2]
68478-04-6	Gases (petroleum), reforming hydrotreater make-up, hydrogen-rich; Refinery gas; [A complex combination obtained from the reforming hydrotreating process. It consists primarily of hydrogen with various small amounts of carbon monoxide and aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]	Cancer		Maine (EU Carcinogen)		
68478-05-7	Gases (petroleum), thermal cracking distn.; Refinery gas; [A complex combination produced by distillation of products from a thermal cracking process. It consists of hydrogen, hydrogen sulfide, carbon monoxide, carbon dioxide and hydrocarbons having carbon numbers predominantly in the range of C1 through C6.]	Cancer		Maine (EU Carcinogen)		x
68478-17-1	Residues (petroleum), heavy coker gas oil and vacuum gas oil; Heavy Fuel oil; [A complex combination of hydrocarbons produced as the residual fraction from the distillation of heavy coker gas oil and vacuum gas oil. It predominantly consists of hydrocarbons having carbon numbers predominantly greater than C13 and boiling above approximately 2300C (4460F).]		x	Maine (Canada PBiT); WA Appen1		x

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68478-21-7	Tail gas (petroleum), catalytic cracked clarified oil and thermal cracked vacuum residue fractionation reflux drum; Petroleum gas; [A complex combination of hydrocarbons obtained from fractionation of catalytic cracked clarified oil and thermal cracked vacuum residue. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C6.]	Cancer		Maine (EU Carcinogen)		
68478-22-8	Tail gas (petroleum), catalytic cracked naphtha stabilization absorber; Petroleum gas; [A complex combination of hydrocarbons obtained from the stabilization of catalytic cracked naphtha. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C6.]	Cancer		Maine (EU Carcinogen)		
68478-24-0	Tail gas (petroleum), catalytic cracker, catalytic reformer and hydrodesulfurizer combined fractionater; Petroleum gas; [A complex combination of hydrocarbons obtained from the fractionation of products from catalytic cracking, catalytic reforming and hydrodesulfurizing processes treated to remove acidic impurities. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]	Cancer		Maine (EU Carcinogen)		

CAS Number	Chemical Name	Health endpoint(s)	Persistent, Bioaccumulative, Toxic (PBT) or very Persistent, very Bioaccumulative (vPvB)	Source(s)	Use example(s) or class	HPV (2006 and 3 of 4 years)[1,2]
68478-25-1	Tail gas (petroleum), catalytic cracker refractionation absorber; Refinery gas; [A complex combination of hydrocarbons obtained from refractionation of products from a catalytic cracking process. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C1 through C3.]	Cancer		Maine (EU Carcinogen)		
68478-26-2	Tail gas (petroleum), catalytic reformed naphtha fractionation stabilizer; Petroleum gas; [A complex combination of hydrocarbons obtained from the fractionation stabilization of catalytic reformed naphtha. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C4.]	Cancer		Maine (EU Carcinogen)		x
68478-27-3	Tail gas (petroleum), catalytic reformed naphtha separator; Refinery gas; [A complex combination of hydrocarbons obtained from the catalytic reforming of straight run naphtha. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C1 through C6.]	Cancer		Maine (EU Carcinogen)		x
68478-28-4	Tail gas (petroleum), catalytic reformed naphtha stabilizer; Refinery gas; [A complex combination of hydrocarbons obtained from the stabilization of catalytic reformed naphtha. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C1 through C6.]	Cancer		Maine (EU Carcinogen)		x

CAS Number	Chemical Name	Health endpoint(s)	Persistent, Bioaccumulative, Toxic (PBT) or very Persistent, very Bioaccumulative (vPvB)	Source(s)	Use example(s) or class	HPV (2006 and 3 of 4 years)[1,2]
68478-29-5	Tail gas (petroleum), cracked distillate hydrotreater separator; Refinery gas; [A complex combination of hydrocarbons obtained by treating cracked distillates with hydrogen in the presence of a catalyst. It consists of hydrogen and saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]	Cancer		Maine (EU Carcinogen)		
68478-30-8	Tail gas (petroleum), hydrodesulfurized straight-run naphtha separator; Refinery gas; [A complex combination of hydrocarbons obtained from hydrodesulfurization of straight-run naphtha. It consists of hydrogen and saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C6.]	Cancer		Maine (EU Carcinogen)		x
68478-32-0	Tail gas (petroleum), saturate gas plant mixed stream, C4-rich; Petroleum gas; [A complex combination of hydrocarbons obtained from the fractionation stabilization of straight-run naphtha, distillation tail gas and catalytic reformed naphtha stabilizer tail gas. It consists of hydrocarbons having carbon numbers in the range of C3 through C6, predominantly butane and isobutane.]	Cancer		Maine (EU Carcinogen)		x

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68478-33-1	Tail gas (petroleum), saturate gas recovery plant, C1-2-rich; Petroleum gas; [A complex combination of hydrocarbons obtained from fractionation of distillate tail gas, straight-run naphtha, catalytic reformed naphtha stabilizer tail gas. It consists predominantly of hydrocarbons having carbon numbers in the range of C1through C5, predominantly methane and ethane.]	Cancer		Maine (EU Carcinogen)		
68478-34-2	Tail gas (petroleum), vacuum residues thermal cracker; Petroleum gas; [A complex combination of hydrocarbons obtained from the thermal cracking of vacuum residues. It consists of hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]	Cancer		Maine (EU Carcinogen)		x
68478-45-5	1,4-Benzenediamine, N,N'-mixed tolyl and xylyl derivs.		x	Maine (Canada PBiT); WA Appen1	Antioxidant, corrosion inhibitor	
68511-50-2	1-Propene, 2-methyl-, sulfurized	Blood, Skin		EPA - HC	Lubricants, functional fluids	x
68512-30-1	Phenol, methylstyrenated		x	Maine (Canada PBiT); WA Appen1	Additive to rubber	
68512-62-9	Residues (petroleum), light vacuum		x	Maine (Canada PBiT); WA Appen1	Emulsions, roofing flux	x
68512-91-4	Hydrocarbons, C3-4-rich, petroleum distillate; Petroleum gas; [A complex combination of hydrocarbons produced by distillation and condensation of crude oil. It consists of hydrocarbons having carbon numbers in the range of C3 through C5, predominantly C3 through C4.]	Cancer		Maine (EU Carcinogen)		x
68513-02-0	Naphtha (petroleum), full-range coker		x	Maine (Canada PBiT); WA Appen1		x

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68513-14-4	Gases (petroleum), catalytic reformed straight-run naphtha stabilizer overheads; Refinery gas; [A complex combination of hydrocarbons obtained from the catalytic reforming of straight-run naphtha followed by fractionation of the total effluent. It consists of hydrogen, methane, ethane and propane.]	Cancer		Maine (EU Carcinogen)		x
68513-15-5	Gases (petroleum), full-range straight-run naphtha dehexanizer off; petroleum gas; [A complex combination of hydrocarbons obtained by the fractionation of the full-range straight-run naphtha. It consists of hydrocarbons having carbon numbers predominantly in the range of C2 through C6.]	Cancer		Maine (EU Carcinogen)		x
68513-16-6	Gases (petroleum), hydrocracking depropanizer off, hydrocarbon-rich; Petroleum gas; [A complex combination of hydrocarbon produced by the distillation of products from a hydrocracking process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C4. It may also contain small amounts of hydrogen and hydrogen sulfide.]	Cancer		Maine (EU Carcinogen)		x
68513-17-7	Gases (petroleum), light straight-run naphtha stabilizer off; Petroleum gas; [A complex combination of hydrocarbons obtained by the stabilization of light straight-run naphtha. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C2 through C6.]	Cancer		Maine (EU Carcinogen)		x

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68513-18-8	Gases (petroleum), reformer effluent high-pressure flash drum off; Refinery gas; [A complex combination produced by the high-pressure flashing of the effluent from the reforming reactor. It consists primarily of hydrogen with various small amounts of methane, ethane, and propane.]	Cancer		Maine (EU Carcinogen)		x
68513-19-9	Gases (petroleum), reformer effluent low-pressure flash drum off; Refinery gas; [A complex combination produced by low-pressure flashing of the effluent from the reforming reactor. It consists primarily of hydrogen with various small amounts of methane, ethane, and propane.]	Cancer		Maine (EU Carcinogen)		x
68513-66-6	Residues (petroleum), alkylation splitter, C4-rich; Petroleum gas; [A complex residuum from the distillation of streams various refinery operations. It consists of hydrocarbons having carbon numbers in the range of C4 through C5, predominantly butane and boiling in the range of approximately -11.7°C to 27.8°C (11°F to 82°F).]	Cancer		Maine (EU Carcinogen)		x
68514-31-8	Hydrocarbons, C1-4; Petroleum gas; [A complex combination of hydrocarbons provided by thermal cracking and absorber operations and by distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C1 through C4 and boiling in the range of approximately minus 164°C to minus 0.5°C (-263°F to 31°F).]	Cancer		Maine (EU Carcinogen)		x

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68514-36-3	Hydrocarbons, C1-4, sweetened; Petroleum gas; [A complex combination of hydrocarbons obtained by subjecting hydrocarbon gases to a sweetening process to convert mercaptans or to remove acidic impurities. It consists of hydrocarbons having carbon numbers predominantly in the range of C1 through C4 and boiling in the range of approximately -164°C to -0.5°C (-263°F to 31°F).]	Cancer		Maine (EU Carcinogen)		
68515-49-1	Di-isodecyl phthalate (DIDP)	Development		Maine (CA Prop 65); WA Appen1	Phthalate	x
68515-88-8	Pentene, 2,4,4-trimethyl-, sulfurized	Blood, Liver		EPA - HC	Anti-wear inhibitors in engine oils	x
68527-15-1	Gases (petroleum), oil refinery gas distn. off; Refinery gas; [A complex combination separated by distillation of a gas stream containing hydrogen, carbon monoxide, carbon dioxide and hydrocarbons having carbon numbers in the range of C1 through C6 or obtained by cracking ethane and propane. It consists of hydrocarbons having carbon numbers predominantly in the range of C1 through C2, hydrogen, nitrogen, and carbon monoxide.]	Cancer		Maine (EU Carcinogen)		
68527-16-2	Hydrocarbons, C1-3; Petroleum gas; [A complex combination of hydrocarbons having carbon numbers predominantly in the range of C1 through C3 and boiling in the range of approximately minus 164°C to minus 42°C (-263°F to -44°F).]	Cancer		Maine (EU Carcinogen)		x
68527-19-5	Hydrocarbons, C1-4, debutanizer fraction; Petroleum gas	Cancer		Maine (EU Carcinogen)		x

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68551-44-0	Fatty acids, C6-19-branched, zinc salts		x	Maine (Canada PBiT); WA Appen1		
68553-00-4	Fuel oil, no. 6		x	Maine (Canada PBiT); WA Appen1	Fuel oil	x
68555-72-6	1-Pentanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5, 5,5-undecafluoro-N-(2-hydroxyethyl)-		x	Maine (Canada PBiT); WA Appen1	PFC	
68555-73-7	1-Heptanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5, 5,6,6,7,7,7-pentadecafluoro-N-(2-hydroxyethyl)-		x	Maine (Canada PBiT); WA Appen1	PFC	
68555-75-9	1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6- tridecafluoro-N-(2-hydroxyethyl)-N-methyl-		x	Maine (Canada PBiT); WA Appen1	PFC	
68555-76-0	1-Heptanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7, 7,7-pentadecafluoro-N-(2-hydroxyethyl)-N-methyl-		x	Maine (Canada PBiT); WA Appen1	PFC	
68602-82-4	Gases (petroleum), benzene unit hydrotreater depentanizer overheads; Refinery gas; [A complex combination produced by treating the feed from the benzene unit with hydrogen in the presence of a catalyst followed by depentanizing. It consists primarily of hydrogen, ethane and propane with various small amounts of nitrogen, carbon monoxide, carbon dioxide and hydrocarbons having carbon numbers predominantly in the range of C1 through C6. It may contain trace amounts of benzene.]	Cancer		Maine (EU Carcinogen)		

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68602-83-5	Gases (petroleum), C1-5, wet; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of crude oil and/or the cracking of tower gas oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]	Cancer		Maine (EU Carcinogen)		x
68602-84-6	Gases (petroleum), secondary absorber off, fluidized catalytic cracker overheads fractionator; Refinery gas; [A complex combination produced by the fractionation of the overhead products from the catalytic cracking process in the fluidized catalytic cracker. It consists of hydrogen, nitrogen, and hydrocarbons having carbon numbers predominantly in the range of C1 through C3.]	Cancer		Maine (EU Carcinogen)		x
68603-42-9	Coconut diethanolamide	Kidney, Skin		HSDB	Corrosion inhibitor, dishwashing detergent, surfactant	x
68606-25-7	Hydrocarbons, C2-4; Petroleum gas	Cancer		Maine (EU Carcinogen)		x
68606-26-8	Hydrocarbons, C3; Petroleum gas	Cancer		Maine (EU Carcinogen)		x
68606-27-9	Gases (petroleum), alkylation feed; Petroleum gas; [A complex combination of hydrocarbons produced by the catalytic cracking of gas oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C3 through C4.]	Cancer		Maine (EU Carcinogen)		x

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68606-34-8	Gases (petroleum), depropanizer bottoms fractionation off; Petroleum gas; [A complex combination of hydrocarbons obtained from the fractionation of depropanizer bottoms. It consists predominantly of butane, isobutane and butadiene.]	Cancer		Maine (EU Carcinogen)		x
68607-11-4	Petroleum products, refinery gases; Refinery gas; [A complex combination which consists primarily of hydrogen with various small amounts of methane, ethane, and propane.]	Cancer		Maine (EU Carcinogen)		x
68607-30-7	Residues (petroleum), topping plant, low-sulfur		x	Maine (Canada PBiT); WA Appen1		x
68631-49-2	PBDE-153 [2,2',4,4',5,5'-hexabromodiphenyl ether]		x	WA Appen1; Oregon P3 List	Flame retardant	
68648-53-3	Resin acids and Rosin acids, hydrogenated, esters with triethylene glycol		x	Maine (Canada PBiT); WA Appen1	Flame retardant	
68783-06-2	Gases (petroleum), hydrocracking low-pressure separator; Refinery gas; [A complex combination obtained by the liquid-vapor separation of the hydrocracking process reactor effluent. It consists predominantly of hydrogen and saturated hydrocarbons having carbon numbers predominantly in the range of C1 through C3.]	Cancer		Maine (EU Carcinogen)		x
68783-07-3	Gases (petroleum), refinery blend; Petroleum gas; [A complex combination obtained from various processes. It consists of hydrogen, hydrogen sulfide and hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]	Cancer		Maine (EU Carcinogen)		x
68783-08-4	Gas oils (petroleum), heavy atmospheric		x	Maine (Canada PBiT); WA Appen1	Petroleum, pre -refinery stream	x

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68783-12-0	Naphtha (petroleum), unsweetened		x	Maine (Canada PBiT); WA Appen1		x
68783-64-2	Gases (petroleum), catalytic cracking; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of the products from a catalytic cracking process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C3 through C5.]	Cancer		Maine (EU Carcinogen)		x
68783-65-3	Gases (petroleum), C2-4, sweetened; Petroleum gas; [A complex combination of hydrocarbons obtained by subjecting a petroleum distillate to a sweetening process to convert mercaptans or to remove acidic impurities. It consists predominantly of saturated and unsaturated hydrocarbons having carbon numbers predominantly in the range of C2 through C4 and boiling in the range of approximately -51°C to -34°C (-60°F to -30°F).]	Cancer		Maine (EU Carcinogen)		x
68814-67-5	Gases (petroleum), refinery; Refinery gas; [A complex combination obtained from various petroleum refining operations. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C1 through C3.]	Cancer		Maine (EU Carcinogen)		x

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68814-90-4	Gases (petroleum), platformer products separator off; Refinery gas; [A complex combination obtained from the chemical reforming of naphthenes to aromatics. It consists of hydrogen and saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C2 through C4.]	Cancer		Maine (EU Carcinogen)		
68815-10-1	Petroleum, sulfurized		x	Maine (Canada PBiT); WA Appen1		
68877-63-4	Acetamide, N-[2-[(2-bromo-4,6-dinitrophenyl) azo]-5-[(2-cyanoethyl)-2-propenylamino]-4 -methoxyphenyl]-		x	Maine (Canada PBiT); WA Appen1	Dye	
68910-11-2	Benzenemethanol, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, reaction products with 1,3,5-trimethylbenzene		x	Maine (Canada PBiT); WA Appen1		
68911-58-0	Gases (petroleum), hydrotreated sour kerosine dependanizer stabilizer off, Refinery gas, [The complex combination obtained from the dependanizer stabilization of hydrotreated kerosine. It consists primarily of hydrogen, methane, ethane, and propane with various small amounts of nitrogen, hydrogen sulfide, carbon monoxide and hydrocarbons having carbon numbers predominantly in the range of C4 through C5.]	Cancer		Maine (EU Carcinogen)		

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68911-59-1	Gases (petroleum), hydrotreated sour kerosine flash drum; Refinery gas; [A complex combination obtained from the flash drum of the unit treating sour kerosine with hydrogen in the presence of a catalyst. It consists primarily of hydrogen and methane with various small amounts of nitrogen, carbon monoxide, and hydrocarbons having carbon numbers predominantly in the range of C2 through C5.]	Cancer		Maine (EU Carcinogen)		x
68918-99-0	Gases (petroleum), crude oil fractionation off; Petroleum gas; [A complex combination of hydrocarbons produced by the fractionation of crude oil. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]	Cancer		Maine (EU Carcinogen)		x
68919-00-6	Gases (petroleum), dehexanizer off; Petroleum gas; [A complex combination of hydrocarbons obtained by the fractionation of combined naphtha streams. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]	Cancer		Maine (EU Carcinogen)		
68919-01-7	Gases (petroleum), distillate unifiner desulfurization stripper off; Refinery gas; [A complex combination stripped from the liquid product of the unifiner desulfurization process. It consists of hydrogen sulfide, methane, ethane, and propane.]	Cancer		Maine (EU Carcinogen)		x

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68919-02-8	Gases (petroleum), fluidized catalytic cracker fractionation off; Refinery gas; [A complex combination produced by the fractionation of the overhead product of the fluidized catalytic cracking process. It consists of hydrogen, hydrogen sulfide, nitrogen, and hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]	Cancer		Maine (EU Carcinogen)		x
68919-03-9	Gases (petroleum), fluidized catalytic cracker scrubbing secondary absorber off; Refinery gas; [A complex combination produced by scrubbing the overhead gas from the fluidized catalytic cracker. It consists of hydrogen, nitrogen, methane, ethane and propane.]	Cancer		Maine (EU Carcinogen)		x
68919-04-0	Gases (petroleum), heavy distillate hydrotreater desulfurization stripper off; Refinery gas; [A complex combination stripped from the liquid product of the heavy distillate hydrotreater desulfurization process. It consists of hydrogen, hydrogen sulfide, and saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]	Cancer		Maine (EU Carcinogen)		x

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68919-05-1	Gases (petroleum), light straight run gasoline fractionation stabilizer off; Petroleum gas; [A complex combination of hydrocarbons obtained by the fractionation of light straight-run gasoline. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]	Cancer		Maine (EU Carcinogen)		x
68919-06-2	Gases (petroleum), naphtha unifiner desulfurization stripper off; Petroleum gas; [A complex combination of hydrocarbons produced by a naphtha unifiner desulfurization process and stripped from the naphtha product. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C4.]	Cancer		Maine (EU Carcinogen)		x
68919-07-3	Gases (petroleum), platformer stabilizer off, light ends fractionation; Refinery gas; [A complex combination obtained by the fractionation of the light ends of the platinum reactors of the platformer unit. It consists of hydrogen, methane, ethane and propane.]	Cancer		Maine (EU Carcinogen)		x
68919-08-4	Gases (petroleum), preflash tower off, crude distn.; Refinery gas; [A complex combination produced from the first tower used in the distillation of crude oil. It consists of nitrogen and saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]	Cancer		Maine (EU Carcinogen)		x

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68919-09-5	Gases (petroleum), straight-run naphtha catalytic reforming off; Petroleum gas; [A complex combination of hydrocarbons obtained by the catalytic reforming of straight-run naphtha and fractionation of the total effluent. It consists of methane, ethane, and propane.]	Cancer		Maine (EU Carcinogen)		
68919-10-8	Gases (petroleum), straight-run stabilizer off; Petroleum gas; [A complex combination of hydrocarbons obtained from the fractionation of the liquid from the first tower used in the distillation of crude oil. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C4.]	Cancer		Maine (EU Carcinogen)		x
68919-11-9	Gases (petroleum), tar stripper off; Refinery gas; [A complex combination obtained by the fractionation of reduced crude oil. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C1 through C4.]	Cancer		Maine (EU Carcinogen)		
68919-12-0	Gases (petroleum), unifiner stripper off; Refinery gas; [A combination of hydrogen and methane obtained by fractionation of the products from the unifiner unit.]	Cancer		Maine (EU Carcinogen)		
68919-20-0	Gases (petroleum), fluidized catalytic cracker splitter overheads; Petroleum gas; [A complex combination of hydrocarbons produced by the fractionation of the charge to the C3 -C4 splitter. It consists predominantly of C3 hydrocarbons.]	Cancer		Maine (EU Carcinogen)		x

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68920-70-7	Alkanes, C6-18, chloro		x	Maine (Canada PBiT); WA Appen1	Paraffin, plasticizer	
68921-45-9	Benzenamine, N-phenyl-, reaction products with styrene and 2,4,4-trimethylpentene		x	Maine (Canada PBiT); WA Appen1	Antioxidant additive in engine oils	x
68937-51-9	Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, reaction products with ammonia, octamethylcyclotetrasiloxane and silica		x	Maine (Canada PBiT); WA Appen1	Formulation component	
68938-42-1	Paraffin waxes and Hydrocarbon waxes, chloro, reaction products with naphthalene		x	Maine (Canada PBiT); WA Appen1	Paraffin wax	
68938-51-2	Siloxanes and Silicones, 3-cyanopropyl Me, di-Me		x	Maine (Canada PBiT); WA Appen1		
68952-76-1	Gases (petroleum), catalytic cracked naphtha debutanizer; Petroleum gas; [A complex combination of hydrocarbons obtained from fractionation of catalytic cracked naphtha. It consists of hydrocarbons having carbon numbers predominantly in the range of C1 through C4.]	Cancer		Maine (EU Carcinogen)		
68952-77-2	Tail gas (petroleum), catalytic cracked distillate and naphtha stabilizer; Petroleum gas; [A complex combination of hydrocarbons obtained by the fractionation of catalytic cracked naphtha and distillate. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C4.]	Cancer		Maine (EU Carcinogen)		

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68952-79-4	Tail gas (petroleum), catalytic hydrodesulfurized naphtha separator; Refinery gas; [A complex combination of hydrocarbons obtained from the hydrodesulfurization of naphtha. It consists of hydrogen, methane, ethane, and propane.]	Cancer		Maine (EU Carcinogen)		x
68952-80-7	Tail gas (petroleum), straight-run naphtha hydrodesulfurizer; Refinery gas; [A complex combination obtained from the hydrodesulfurization of straight-run naphtha. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]	Cancer		Maine (EU Carcinogen)		
68952-81-8	Tail gas (petroleum), thermal-cracked distillate, gas oil and naphtha absorber; petroleum gas; [A complex combination of hydrocarbons obtained from the separation of thermal-cracked distillates, naphtha and gas oil. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C6.]	Cancer		Maine (EU Carcinogen)		x
68952-82-9	Tail gas (petroleum), thermal cracked hydrocarbon fractionation stabilizer, petroleum coking; Petroleum gas; [A complex combination of hydrocarbons obtained from the fractionation stabilization of thermal cracked hydrocarbons from petroleum coking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C1 through C6.	Cancer		Maine (EU Carcinogen)		x
68953-84-4	1,4-Benzenediamine, N,N'-mixed Ph and tolyl derivs.		x	Maine (Canada PBiT); WA Appen1		x

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68955-27-1	Distillates (petroleum), petroleum residues vacuum		x	Maine (Canada PBiT); WA Appen1		x
68955-28-2	Gases (petroleum, light steam-cracked, butadiene conc.; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of products from a thermal cracking process. It consists of hydrocarbons having a carbon number predominantly of C4.]	Cancer		Maine (EU Carcinogen)		x
68955-33-9	Gases (petroleum), sponge absorber off, fluidized catalytic cracker and gas oil desulfurizer overhead fractionation; Refinery gas; [A complex combination obtained by the fractionation of products from the fluidized catalytic cracker and gas oil desulfurizer. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C1 through C4.]	Cancer		Maine (EU Carcinogen)		x
68955-34-0	Gases (petroleum), straight-run naphtha catalytic reformer stabilizer overhead; Petroleum gas; [A complex combination of hydrocarbons obtained by the catalytic reforming of straight-run naphtha and the fractionation of the total effluent. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C2 through C4.]	Cancer		Maine (EU Carcinogen)		x
68955-53-3	Amines, C12-14-tert-alkyl	Development		EPA - RBP	Organic chemical mfg	x
68957-62-0	1-Heptanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5, 5,6,6,7,7,7-pentadecafluoro-		x	Maine (Canada PBiT); WA Appen1	PFC	

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68989-88-8	Gases (petroleum), crude distn. and catalytic cracking; Refinery gas; [A complex combination produced by crude distillation and catalytic cracking processes. It consists of hydrogen, hydrogen sulfide, nitrogen, carbon monoxide and paraffinic and olefinic hydrocarbons having carbon numbers predominantly in the range of C1 through C6.]	Cancer		Maine (EU Carcinogen)		x
69409-94-5	Fluvalinate	Development		Maine (CA Prop 65); WA Appen1	Pesticide	
69430-47-3	Siloxanes and Silicones, di-Me, reaction products with Me hydrogen siloxanes and 1,1,3,3-tetramethyldisiloxane		x	Maine (Canada PBiT); WA Appen1	Polymer, crosslinking agent	
69695-75-6	9,10-Anthracenedione, 1-amino-4-[[3-[(dimethylamino) methyl]phenyl]amino]-, monohydrochloride		x	Maine (Canada PBiT); WA Appen1		
69782-90-7	2,3,3',4,4',5'-Hexachlorobiphenyl		x	Maine (EPA Final PBT Rule for TRI; WA PBT List); WA Appen1; Oregon P3 List	PCB	
69806-40-2	Haloxyfop-methyl	Kidney, Reproduction		IRIS; WA Appen1	Pesticide (not EPA registered)	
69806-50-4	Fluazifop butyl	Development		Maine (CA Prop 65); WA Appen1	Pesticide (EPA reg. cancelled)	
69898-41-5	furo[3,4-b]pyridin-7(5H)-one, 5-[4-(diethylamino)-2-ethoxyphenyl]-5-(1-ethyl-2-methyl-1H-indol-3-yl)-		x	Maine (OSPAR Chemicals of Concern); WA Appen1		
69898-66-4	5-Isobenzofurancarboxylic acid, 3-[4-(diethylamino)-2-ethoxyphenyl] -3-(1-ethyl-2-methyl-1H-indol-3-yl)-1,3 -dihydro-1-oxo-, ethyl ester		x	Maine (Canada PBiT); WA Appen1		
69898-67-5	5-Isobenzofurancarboxylic acid, 1-[4-(diethylamino)-2-ethoxyphenyl] -1-(1-ethyl-2-methyl-1H-indol-3-yl)-1,3 -dihydro-3-oxo-, ethyl ester		x	Maine (Canada PBiT); WA Appen1		

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70124-77-5	flucythrinate		x	Maine (OSPAR Chemicals of Concern; OSPAR Chemicals for Priority Action); WA Appen1	Pesticide (EPA reg. cancelled)	
70161-19-2	Benzenesulfonic acid, [(9,10-dihydro-9,10-dioxo- 1,4-anthracenediyl)bis(imino-4,1-phenyleneoxy)]bis -, disodium salt		x	Maine (Canada PBiT); WA Appen1		
70210-08-1	2-Naphthalenesulfonamide, N-[2-(acetyloxy)ethyl]-6- hydroxy-N-methyl-5-[[4-(phenylazo)phenyl]azo]-		x	Maine (Canada PBiT); WA Appen1	Dye	
70225-14-8	Diethanolamine salt [Perfluorooctane sulfonates (PFOS)]	Development, Liver, Thyroid	x	Maine (WA PBT List; Canada PBiT); WA Appen1; Minnesota HRL	PFC	
70321-86-7	2-(2H-Benzotriazol-2-yl)-4,6-bis(1-methyl-1-phenylethyl) phenol	Liver		EPA - HC	Industrial additive for polymers and coatings	x
70331-94-1	Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, (1,2-dioxo-1,2-ethanediyl) bis(imino-2,1-ethanediyl) ester		x	Maine (Canada PBiT); WA Appen1	Phenolic antioxidant/metal deactivator	
70362-50-4	PCB-081 (3,4,4',5-tetrachlorobiphenyl)		x	Oregon P3 List	Enclosed electrical systems	
70514-12-4	Lubricating oils, used		x	Maine (Canada PBiT); WA Appen1	Lubricating oils	
70592-76-6	Distillates (petroleum), intermediate vacuum		x	Maine (Canada PBiT); WA Appen1		x
70592-77-7	Distillates (petroleum), light vacuum		x	Maine (Canada PBiT); WA Appen1		x
70592-78-8	Distillates (petroleum), vacuum		x	Maine (Canada PBiT); WA Appen1		x
70592-79-9	Residues (petroleum), atm. tower, light		x	Maine (Canada PBiT); WA Appen1		x
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran		x	Maine (EPA Final PBT Rule for TRI; WA PBT List); WA Appen1		
70776-03-3	naphthalene, chloro derivs.		x	Maine (OSPAR Chemical of Concern; Canada PBiT); WA Appen1	PCN	

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70776-86-2	2-Butanone, 4-[[[1,2,3,4,4a,9,10,10a-octahydro-1,4a-dimethyl-7-(1-methylethyl)-1-phenanthrenyl]methyl](3-oxo-3-phenylpropyl)amino]-, [1R-(1α,4aß,10aα)]-		x	Maine (Canada PBiT); WA Appen1		
70969-47-0	Thiols, C8-20, γ-ω-perfluoro, telomers with acrylamide		x	Maine (Canada PBiT); WA Appen1	AFFF (Aqueous film forming foam)	
71032-95-6	2-Naphthalenesulfonic acid, 7-[[4,6-bis[[3-(diethylamino) propyl]amino]-1,3,5-triazin-2-yl]amino]-4-hydroxy -3-[[4-(phenylazo)phenyl]azo]-, monoacetate (salt)		x	Maine (Canada PBiT); WA Appen1	Dye	
72102-55-7	Methylium, [4-(dimethylamino)phenyl] bis[4-(ethylamino)-3-methylphenyl]-, acetate		x	Maine (Canada PBiT); WA Appen1	dye	
72102-56-8	Methylium, [4-(dimethylamino)phenyl] bis[4-(ethylamino)-3-methylphenyl]-, chloride		x	Maine (Canada PBiT); WA Appen1	Chemical intermediate	
72102-64-8	Methylium, bis[4-(dimethylamino)phenyl] [4-(ethylamino)-3-methylphenyl]-, chloride		x	Maine (Canada PBiT); WA Appen1	Chemical intermediate	
72318-87-7	Phenol, [[[3-(dimethylamino)propyl]amino]methyl]-, isobutylenated		x	Maine (Canada PBiT); WA Appen1		
72490-01-8	Fenoxycarb	Cancer		Maine (CA Prop 65); WA Appen1	Pesticide	
72629-94-8	Pentacosafluorotridecanoic acid		x	REACH Substances of Very High Concern (vPvB)	prodction of fluoropolymers and fluorotelomers	
72749-91-8	Benzenesulfonic acid, [(9,10-dihydro-9,10-dioxo- 1,4-anthracenediyl)diimino]bis[(1,1-dimethylethyl)-, sodium salt		x	Maine (Canada PBiT); WA Appen1		
72812-39-6	Methylium, bis(4-amino-3,5-dimethylphenyl) (2,6-dichlorophenyl)-, phosphate (1:1)		x	Maine (Canada PBiT); WA Appen1		

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72828-63-8	Benzonitrile, 2-[[4-[[2-(acetyloxy)ethyl] butylamino]-2-methylphenyl]azo]-3-bromo-5-nitro -		x	Maine (Canada PBiT); WA Appen1		
72869-85-3	Chromate(1-), bis[3,5-bis(1,1-dimethylethyl) -2-hydroxybenzoato(2-)-O1,O2]-, hydrogen		x	Maine (Canada PBiT); WA Appen1	Inks, toner	
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran		x	Maine (EPA Final PBT Rule for TRI; WA PBT List); WA Appen1	Combustion by-product	
72968-82-2	Methanesulfonamide, N-[2-[(2,6-dicyano-4-methylphenyl) azo]-5-(dipropylamino)phenyl]-		x	Maine (Canada PBiT); WA Appen1	Pigment, dye and printing ink	
73398-86-4	Pyridine, 4-(3-chloro-5-propylphenyl)-		x	Maine (Canada PBiT); WA Appen1		
73398-87-5	Pyridine, 4-(4-chloro-3-propylphenyl)-		x	Maine (Canada PBiT); WA Appen1		
73528-78-6	3-Pyridinecarbonitrile, 5-[[4-[(2,6-dichloro-4-nitrophenyl) azo]-2,5-dimethoxyphenyl]azo]-2,6-bis[(2 -methoxyethyl)amino]-4-methyl-		x	Maine (Canada PBiT); WA Appen1		
74051-80-2	Sethoxydim	Blood		IRIS; WA Appen1	Pesticide	
74336-60-0	9,10-Anthracenedione, 1-[(5,7-dichloro-1,9-dihydro- 2-methyl-9-oxopyrazolo[5,1-b]quinazolin-3-yl)azo]- (Pigment Red 251)		x	Maine (Canada PBiT); WA Appen1	Pigment Red 251	
74472-37-0	2,3,4,4',5-Pentachlorobiphenyl	Endocrine system	x	Maine (EU Endocrine Disruptor; EPA Final PBT Rule for TRI; WA PBT List); WA Appen1; Oregon P3 List	PCB	
75321-20-9	1,3-Dinitropyrene	Cancer		IARC 2B and Cal Prop 65	exhaust particulate	
75768-65-9	Phosphonium, triphenyl(phenylmethyl)-, salt with 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[phenol] (1:1)		x	Maine (Canada PBiT); WA Appen1	Catalyst, curing agent	
76180-96-6	IQ (2-Amino-3-methylimidazo[4,5-f] quinoline)	Cancer		Maine (CA Prop 65; IARC; NTP 11th ROC); WA Appen1	Research, in broiled food	
76578-14-8	Quizalofop-ethyl	Reproduction		Maine (CA Prop 65); WA Appen1	Pesticide	
76738-62-0	Paclobutrazol	Liver		IRIS; WA Appen1	Pesticide	

CAS Number	Chemical Name	Health endpoint(s)	Persistent, Bioaccumulative, Toxic (PBT) or very Persistent, very Bioaccumulative (vPvB)	Source(s)	Use example(s) or class	HPV (2006 and 3 of 4 years)[1,2]
76842-07-4	PCB 122 (2,3,3',4,5 - Pentachlorobiphenyl)	Endocrine system		Maine (EU Endocrine Disruptor)		
77094-11-2	MeIQ (2-Amino-3,4-dimethylimidazo[4,5-f]quinoline)	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	In cooked meat and fish	
77182-82-2	Glufosinate-ammonium	Kidney		IRIS; WA Appen1	Pesticide	
77439-76-0	MX (3-chloro-4-dichloromethyl-5-hydroxy-2(5H)-furanone)	Cancer		Maine (CA Prop 65); WA Appen1	Research	
77500-04-0	MeIQx (2-Amino-3,8-dimethylimidazo[4,5-f]quinoxaline)	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	In cooked meats	
77501-63-4	Lactofen	Cancer		Maine (CA Prop 65); WA Appen1	Pesticide	
77536-67-5	asbestos (anthophyllite)	Cancer		Maine (EU Carcinogen)		
77536-68-6	asbestos (tremolite)	Cancer		Maine (EU Carcinogen)		
78587-05-0	Hexythiazox (Savey)	Adrenal complex, Blood		IRIS; WA Appen1	Pesticide	
79277-27-3	Thifensulfuron-methyl (Harmony)	Blood, Body weight		IRIS; WA Appen1	Pesticide	
79357-73-6	Amines, C18-22-tert-alkyl, (chloromethyl)phosphonates (2:1)		x	Maine (Canada PBiT); WA Appen1	Lubricating agent, lubricant additive	
79542-46-4	Acetamide, N-[4-chloro-2-[2-(2-chloro-4-nitrophenyl)azo]-5-[(2-hydroxy-3-phenoxypropyl) amino]phenyl]-		x	Maine (Canada PBiT); WA Appen1		
79748-81-5	Fusarin C	Cancer		Maine (CA Prop 65); WA Appen1	Mycotoxin	
81412-43-3	morpholine, 2,6-dimethyl-4-(C10-13)-alkyl-		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Pesticide (not EPA registered)	
82657-04-3	Bifenthrin (Talstar)	Endocrine system	x	Maine (EU Endocrine Disruptor); WA Appen1; Oregon P3 List	Pesticide	
83249-47-2	Acetamide, N-[2-[(2-bromo-6-cyano-4-nitrophenyl)azo]-5-(dipropylamino)phenyl]-		x	Maine (Canada PBiT); WA Appen1		
83249-53-0	Methanesulfonamide, N-[2-[(2-bromo-6-cyano-4- methylphenyl)azo]-5-(diethylamino)phenyl]-		x	Maine (Canada PBiT); WA Appen1		
83249-54-1	Methanesulfonamide, N-[2-[(2-bromo-6-cyano-4- methylphenyl)azo]-5-(dipropylamino)phenyl]-		x	Maine (Canada PBiT); WA Appen1		

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83721-47-5	Methanesulfonamide, 1-chloro-N-[2,3,4-trichloro- 6-(2,4-dichlorophenoxy)phenyl]-, sodium salt		x	Maine (Canada PBiT); WA Appen1		
83721-48-6	Methanesulfonamide, 1-chloro-N-[2,3,4,5-tetrachloro- 6-(2,4-dichlorophenoxy)phenyl]-, sodium salt		x	Maine (Canada PBiT); WA Appen1		
83968-86-9	9,10-Anthracenedione, 1-amino-4-[[3-[(dimethylamino) methyl]phenyl]amino]-, monoacetate		x	Maine (Canada PBiT); WA Appen1		
84082-38-2	Alkanes, C10-21, chloro		x	Maine (Canada PBiT); WA Appen1		
84852-15-3	phenol, 4-nonyl-, branched		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Epoxy hardener	x
85005-63-6	2-Naphthalenecarboxamide, 4-[(2,4-dinitrophenyl)azo]-3-hydroxy-N-phenyl-		x	Maine (Canada PBiT); WA Appen1		
85186-47-6	Xanthylium, 9-(2-carboxyphenyl)-3,6-bis(diethylamino)-, salt with mono-C10-14-alkylbenzenesulfonic acid (1:1)		x	Maine (Canada PBiT); WA Appen1		
85409-17-2	stannane, tributyl-, mono(naphthenoyloxy) derivs.	Endocrine system	x	Maine (EU Endocrine Disruptor; OSPAR Chemicals of Concern); WA Appen1	Pesticide (not EPA registered)	
85422-92-0	Paraffin oils, chloro		x	Maine (Canada PBiT); WA Appen1		
85509-19-9	Flusilazole (NuStar)	Liver		IRIS; WA Appen1	Pesticide (not EPA registered)	
85535-84-8	Short-chain chlorinated paraffins		x	Maine (EU Endocrine Disruptor; WA PBT List; EU PBT List; OSPAR Chemicals of Concern; REACH Substances of Very High Concern; Canada PBiT); WA Appen1	Lubricants in metal cutting, plasticizers and flame retardants in plastics	
85535-85-9	alkanes, C14-17, chloro	Endocrine system	x	Maine (EU Endocrine Disruptor; Canada PBiT); WA Appen1		
85535-86-0	Alkanes, C18-28, chloro		x	Maine (Canada PBiT); WA Appen1		

CAS Number	Chemical Name	Health endpoint(s)	Persistent, Bioaccumulative, Toxic (PBT) or very Persistent, very Bioaccumulative (vPvB)	Source(s)	Use example(s) or class	HPV (2006 and 3 of 4 years)[1,2]
85702-64-3	3H-Indol-3-one, 5,7-dibromo-2-(5-bromo-7- chloro-1,3-dihydro-3-oxo-2H-indol-2-ylidene)-1,2-dihydro -		x	Maine (Canada PBiT); WA Appen1		
85702-90-5	2,9,11,13-Tetraazanonadecanethioic acid, 19-isocyanato-11-(6-isocyanatohexyl)-10,12-dioxo-, S-[3-(trimethoxysilyl)propyl] ester		x	Maine (Canada PBiT); WA Appen1		
86290-81-5	Gasoline (A complex combination of hydrocarbons consisting primarily of paraffins, cycloparaffins, aromatic and olefinic hydrocarbons having carbon numbers predominantly greater than C3 and boiling in the range of 30°C to 260°C (86°F to 500°F))		x	Maine (Canada PBiT); WA Appen1	Gasoline	
86551-61-3	Butanamide, 2-[2,4-bis(1,1-dimethylpropyl) phenoxy]-N-[4-(2-formylhydrazino)phenyl]-		x	Maine (Canada PBiT); WA Appen1		
87237-48-7	propanoic acid, 2-[4-[[3-chloro-5-(trifluoromethyl)-2-pyridinyl]oxy]phenoxy]-, 2-ethoxyethyl ester		x	Maine (OSPAR Chemicals of Concern); WA Appen1	Pesticide (not EPA registered)	
87741-01-3	Hydrocarbons, C4, Petroleum gas	Cancer		Maine (EU Carcinogen)		
88671-89-0	Myclobutanil	Development, Reproduction	x	Maine (CA Prop 65);WA Appen1; Oregon P3 List	Pesticide	
90268-98-7	Carbonic acid disodium salt, reaction products with aniline, 4-nitrobenzenamine, p-phenylenediamine, sodium sulfide, sulfur and p-toluidine		x	Maine (Canada PBiT); WA Appen1		
90622-55-2	Alkanes, C1-4, C3-rich, Petroleum gas	Cancer		Maine (EU Carcinogen)		
90640-80-5	Anthracene oil	Cancer	x	Maine (EU PBT List; OSPAR Chemicals of Concern); WA Appen1; REACH Substances of Very High Concern	In coal tar pitch, coal tar enamel mfg	
90640-81-6	Anthracene oil, anthracene paste	Cancer	x	Maine (EU PBT List; OSPAR Chemicals of Concern); WA Appen1; REACH Substances of Very High Concern		

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90640-82-7	Anthracene oil, anthracene-low	Cancer	x	Maine (EU PBT List; OSPAR Chemicals of Concern); WA Appen1; REACH Substances of Very High Concern	Solvent	
90640-86-1	Distillates (coal tar), heavy oils		x	Maine (EU PBT List; OSPAR Chemicals of Concern); WA Appen1		
90729-40-1	3-Pyridinecarbonitrile, 1-butyl-5-[[4-(4-chlorobenzoyl) -2-nitrophenyl]azo]-1,2-dihydro-6-hydroxy-4 -methyl-2-oxo-		x	Maine (Canada PBiT); WA Appen1		
90982-32-4	Chlorimuron-ethyl	Blood		IRIS; WA Appen1	Pesticide	
91465-08-6	Cyhalothrin (Karate)	Endocrine system	x	Maine (EU Endocrine Disruptor); WA Appen1; Oregon P3 List	Pesticide	
91995-15-2	Anthracene oil, anthracene paste, anthracene fraction; Anthracene Oil Fraction; [A complex combination of hydrocarbons from the distillation of anthracene obtained by the crystallization of anthracene oil from bituminous high temperature tar and boiling in the range of 330°C to 350°C (626°F to 662°F). It contains chiefly anthracene, carbazole and phenanthrene.]	Cancer	x	Maine (EU PBT List; OSPAR Chemicals of Concern); WA Appen1; REACH Substances of Very High Concern		
91995-17-4	Anthracene oil, anthracene paste, distn. lights; Anthracene Oil Fraction; [A complex combination of hydrocarbons from the distillation of anthracene obtained by crystallization of anthracene oil from bituminous high temperature tar and boiling in the range of approximately 290°C to 340°C (554°F to 644°F). It contains chiefly trinuclear aromatics and their dihydro derivatives.]	Cancer	x	Maine (EU PBT List; OSPAR Chemicals of Concern); WA Appen1; REACH Substances of Very High Concern		
91995-42-5	Distillates (coal tar), heavy oils, pyrene fraction		x	Maine (EU PBT List; OSPAR Chemicals of Concern); WA Appen1		

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91995-52-7	Distillates (coal tar), pitch, pyrene fraction		x	Maine (EU PBT List; OSPAR Chemicals of Concern); WA Appen1		
92045-15-3	Gases (petroleum), gas oil diethanolamine scrubber off; Refinery gas; [A complex combination produced by desulfurization of gas oils with diethanolamine. It consists predominantly of hydrogen sulfide, hydrogen and aliphatic hydrocarbons having carbon numbers in the range of C1 through C5.]	Cancer		Maine (EU Carcinogen)		
92045-16-4	Gases (petroleum), gas oil hydrodesulfurization effluent; Refinery gas; [A complex combination obtained by separation of the liquid phase from the effluent from the hydrogenation reaction. It consists predominantly of hydrogen, hydrogen sulfide and aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C3.]	Cancer		Maine (EU Carcinogen)		
92045-17-5	Gases (petroleum), gas oil hydrodesulfurization purge; Refinery gas; [A complex combination of gases obtained from the reformer and from the purges from the hydrogenation reactor. It consists predominantly of hydrogen and aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C4.]	Cancer		Maine (EU Carcinogen)		

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92045-18-6	Gases (petroleum), hydrogenator effluent flash drum off; Refinery gas; [A complex combination of gases obtained from flash of the effluents after the hydrogenation reaction. It consists predominantly of hydrogen and aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C6.]	Cancer		Maine (EU Carcinogen)		
92045-19-7	Gases (petroleum), naphtha steam cracking high-pressure residual; Refinery gas; [A complex combination obtained as a mixture of the non-condensable portions from the product of a naphtha steam cracking process as well as residual gases obtained during the preparation of subsequent products. It consists predominantly of hydrogen and paraffinic and olefinic hydrocarbons having carbon numbers predominantly in the range of C1 through C5 with which natural gas may also be mixed.]	Cancer		Maine (EU Carcinogen)		
92045-20-0	Gases (petroleum), residue visbaking off; Refinery gas; [A complex combination obtained from viscosity reduction of residues in a furnace. It consists predominantly of hydrogen sulfide and paraffinic and olefinic hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]	Cancer		Maine (EU Carcinogen)		

CAS Number	Chemical Name	Health endpoint(s)	Persistent, Bioaccumulative, Toxic (PBT) or very Persistent, very Bioaccumulative (vPvB)	Source(s)	Use example(s) or class	HPV (2006 and 3 of 4 years)[1,2]
92045-22-2	Gases (petroleum), steam-cracker C3-rich; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of products from a steam cracking process. It consists predominantly of propylene with some propane and boils in the range of approximately -70°C to 0°C (-94°F to 32°F).]	Cancer		Maine (EU Carcinogen)		
92045-23-3	Hydrocarbons, C4, steam-cracker distillate; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of the products of a steam cracking process. It consists predominantly of hydrocarbons having a carbon number of C4, predominantly 1-butene and 2-butene, containing also butane and isobutene and boiling in the range of approximately minus 12°C to 5°C (10.4°F to 41°F).]	Cancer		Maine (EU Carcinogen)		
92045-41-5	Lubricating oils, used, vacuum distd.		x	Maine (Canada PBiT); WA Appen1		
92045-52-8	Naphtha (petroleum), hydrodesulfurized full-range		x	Maine (Canada PBiT); WA Appen1		
92045-80-2	Petroleum gases, liquefied, sweetened, C4 fraction; Petroleum gas; [A complex combination of hydrocarbons obtained by subjecting a liquefied petroleum gas mix to a sweetening process to oxidize mercaptans or to remove acidic impurities. It consists predominantly of C4 saturated and unsaturated hydrocarbons.]	Cancer		Maine (EU Carcinogen)		
92061-94-4	Residues (coal tar), pitch distn.		x	Maine (EU PBT List; OSPAR Chemicals of Concern); WA Appen1		
93918-79-7	Carbamic acid, cyclohexyl-, nitrilotri-2,1-ethanediyl ester		x	Maine (Canada PBiT); WA Appen1		

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94199-57-2	2-Naphthalenecarboxamide, N-(2-ethoxyphenyl)-3-hydroxy- 4-[(2-nitrophenyl)azo]-		x	Maine (Canada PBiT); WA Appen1	Dye	
94248-26-7	Methanesulfonamide, 1-chloro-N-(2-phenoxyphenyl)-, pentachloro deriv., sodium salt		x	Maine (Canada PBiT); WA Appen1		
97722-19-5	Raffinates (petroleum), steam-cracked C4 fraction cuprous ammonium acetate extn., C3-5 and C3-5 unsatd., butadiene-free; Petroleum gas	Cancer		Maine (EU Carcinogen)		
100702-98-5	4,4'-Dihydroxy-2,3,5,6-tetrachlorobiphenyl	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	PCB	
101043-37-2	Microcystin-LR	Cancer; Liver		IARC 2B; MN HRL	blue-green algae toxin, contaminant in blue-green algae health supplement	
101200-48-0	Tribenuron-methyl (Express)	Blood chemistry		IRIS; WA Appen1	Pesticide	
101200-53-7	Pyridine, 2-[3-(3-chlorophenyl)propyl]-		x	Maine (Canada PBiT); WA Appen1	Fragrance, perfume, deodorizer, flavoring agent	
101316-50-1	distillates (petroleum), alkene-alkyne manuf. pyrolysis oil, condensed arom. ring-contg.		x	Maine (OSPAR Chemicals of Concern); WA Appen1		
101316-83-0	Tar brown-coal	Cancer		Maine (EU Carcinogen)		
101316-84-1	Tar, brown-coal, low-temp.	Cancer		Maine (EU Carcinogen)		
104948-36-9	Alkanes, C10-22, chloro		x	Maine (Canada PBiT); WA Appen1	Paraffins	
105650-23-5	PhiP(2-Amino-1-methyl-6-phenylimidazol[4,5-b]pyridine)	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Cooked meats	
105735-71-5	3,7-Dinitrofluoranthene	Cancer		Maine (CA Prop 65); WA Appen1	Diesel exhaust	
106232-85-3	Alkanes, C18-20, chloro		x	Maine (Canada PBiT); WA Appen1	Paraffins	
106276-78-2	Benzoic acid, 2,3,4,5-tetrachloro-6-cyano-, methyl ester, reaction products with 4-[(4-aminophenyl)azo]-3-methylbenzenamine and sodium methoxide		x	Maine (Canada PBiT); WA Appen1	Colorant for textile fiber	
108004-27-9	1H-Imidazole-1-ethanol, α-(2,4-dichlorophenyl) -α-[2-(2,4-dichlorophenyl)cyclopropyl]-, [1α(R),2ß]-		x	Maine (Canada PBiT); WA Appen1		

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108171-26-2	Chlorinated paraffins (Average chain length, C12;approximately 60 percent chlorine by weight)	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen1	Paraffins	
110235-47-7	Mepanipyrim	Cancer		Maine (CA Prop 65)	Pesticide (not EPA registered)	
111810-41-4	4-Hydroxy-3,3',4',5'-tetrachlorobiphenyl	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen2		
116355-83-0	Fumonisin B1	Cancer		Maine (CA Prop 65); WA Appen1	Fungal toxin	
117310-64-2	Phosphine oxide, (butylphenyl)bis(2,6-dichlorobenzoyl)-		x	Maine (Canada PBiT); WA Appen1	PCB	
118174-38-2	6-Methyl-1,3,8-trichlorodibenzofuran	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen1	Furan	
120068-37-3	Fipronil		x	Oregon P3 List	Pesticide	
124751-15-1	Resin acids and Rosin acids, fumarated, barium salts		x	Maine (Canada PBiT); WA Appen1	Formulation component, pigment, dye, printing ink	
125328-28-1	Phenol, 4,4'-(1-methylethylidene)bis-, reaction products with hexakis(methoxymethyl)melamine		x	Maine (Canada PBiT); WA Appen1	Plastic, synthetic resin	
125471-97-8	Lubricating oils (petroleum), hydrotreated, used, distn. residues		x	Maine (Canada PBiT); WA Appen1		
127126-02-7	Propanenitrile, 3-[[2-(acetyloxy)ethyl][4-[(6,7-dichloro-2-benzothiazolyl)azo]phenyl]amino]-		x	Maine (Canada PBiT); WA Appen1		
128683-25-0	Crude oil (oil sand)		x	Maine (Canada PBiT); WA Appen1		
128683-26-1	Distillates (petroleum), full-range atm.		x	Maine (Canada PBiT); WA Appen1		
128683-28-3	Gas oils (petroleum), full-range		x	Maine (Canada PBiT); WA Appen1		
128683-29-4	Gas oils (oil sand), hydrotreated		x	Maine (Canada PBiT); WA Appen1		
128683-30-7	Gas oils (oil sand)		x	Maine (Canada PBiT); WA Appen1		
128683-33-0	Naphtha (oil sand), hydrotreated		x	Maine (Canada PBiT); WA Appen1		

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128683-35-2	Residues (oil sand), atm. tower		x	Maine (Canada PBiT); WA Appen1		
129566-94-5	Hydrocarbons, C12-25, dehydrated used lubricating oil distillates		x	Maine (Canada PBiT); WA Appen1		
129893-11-4	Residues (petroleum), vacuum, hydrocracked, naphtha fraction		x	Maine (Canada PBiT); WA Appen1		
129893-17-0	Lubricating oils, used, residues		x	Maine (Canada PBiT); WA Appen1	Lubricating oils	x
129893-18-1	Lubricating oils, used, vacuum distd, clay-treated		x	Maine (Canada PBiT); WA Appen1	Lubricating oils	
129893-21-6	Natural gas condensates, C4-12 distillate		x	Maine (Canada PBiT); WA Appen1		
129893-22-7	Natural gas condensates, C5-12 distillate		x	Maine (Canada PBiT); WA Appen1		
132207-32-0	Asbestos	Cancer		Maine (EU Carcinogen)		
132538-91-1	Lubricating oils, used, distd., C5-18 fraction		x	Maine (Canada PBiT); WA Appen1		
132538-93-3	Lubricating oils, used, distd., light oil		x	Maine (Canada PBiT); WA Appen1		
140923-17-7	Iprovalicarb (also CAS#140923-25-7)	Cancer	x	Maine (CA Prop 65); WA Appen1	Pesticide (not EPA registered)	
141112-29-0	Isoxaflutole	Cancer		Maine (CA Prop 65); WA Appen1	Pesticide	
177406-68-7	Benthiavalicarb-isopropyl	Cancer		Maine (CA Prop 65)	Pesticide (not EPA registered)	
189084-64-8	PBDE-100 [2,2',4,4',6-Pentabromodiphenyl ether]		x	Oregon P3 List	Flame retardant	
223777-68-2	Benzenesulfonic acid, hydroxydinonyl-, branched, monoammonium salt		x	Maine (Canada PBiT); WA Appen1		
N/A	DDT, DDD, DDE		x	Maine (EPA Priority Chemicals); Oregon P3 List		
N/A	Nickel refinery dust	Cancer		WA Appen2; Minnesota HRV		
N/A	4-OH-2,2',4',5,5'-pentachlorobiphenyl	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen2		
N/A	Aluminosilicate Refractory Ceramic Fibers	Cancer		REACH Substances of Very High Concern		
N/A	Aristolochic acids	Cancer, Kidney		Maine (CA Prop 65; IARC); WA Appen2		
N/A	Benzidine-based dyes	Cancer		Maine (CA Prop 65); WA Appen2		

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N/A	Dyes metabolized to 3,3'-dimethoxybenzidine	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen2		
N/A	Dyes metabolized to 3,3'-dimethylbenzidine	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen2		
N/A	Dyes metabolized to benzidine	Cancer		Maine (IARC; NTP 11th ROC); WA Appen2		
N/A	Methoxyethyl acrylate tributyltin, copolymer	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen2		
N/A	Methylhydrazine and its salts, methylhydrazine, methylhydrazine sulfate	Cancer		Maine (CA Prop 65); WA Appen2		
N/A	Mineral oils (untreated and mildly treated)	Cancer		Maine (IARC; NTP 11th ROC); WA Appen2		
N/A	Mixture of 2,3,4,5-tetrachlorobiphenyl (PCB 61), 2,2',4,5,5'-octachlorobiphenyl (PCB 101) and 2,2',3,3',4,4',5,5'-octachlorobiphenyl (PCB 194)	Endocrine system		Maine (EU Endocrine Disruptor); WA Appen2		
N/A	PBBs = Brominated Flame retardants = PBB (mixed group of 209 Congeners)	Endocrine system		Maine (EU Endocrine Disruptor)		
N/A	Polybrominated biphenyls	Cancer, Development		Maine (CA Prop 65; NTP 11th ROC); WA Appen2		
N/A	salts of 2-naphthylamine	Cancer		Maine (EU Carcinogen)		
N/A	Bitumens, extracts of steam-refined and air refined	Cancer		Maine (CA Prop 65); WA Appen2		
N/A	Carbon-black extracts	Cancer		Maine (CA Prop 65); WA Appen2		
N/A	Diesel engine exhaust	Cancer		Maine (CA Prop 65; IARC; IRIS); WA Appen2		
N/A	Diesel exhaust particulates	Cancer, Respiratory system		Maine (NTP 11th ROC); WA Appen2; Minnesota HRV		
N/A	Gasoline engine exhaust (condensates/extracts)	Cancer		Maine (CA Prop 65); WA Appen2		
N/A	Silica, crystalline (respirable size)	Cancer		Maine (CA Prop 65; NTP 11th ROC); WA Appen2		
N/A	Soots	Cancer		Maine (IARC; NTP 11th ROC); WA Appen2		
N/A	Soots, tars, and mineral oils (untreated and mildly treated oils and used engine oils)	Cancer		Maine (CA Prop 65); WA Appen2		

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N/A	Talc containing asbestiform fibers	Cancer		Maine (CA Prop 65; IARC); WA Appen2		
N/A	Environmental tobacco smoke	Cancer, Development		Maine (NTP 11th ROC); WA Appen2		
N/A	Zirconium Aluminosilicate Refractory Ceramic Fibers	Cancer		REACH Substances of Very High Concern		
N/A	triphenyltin (group)	Endocrine system		EU Category 1 Endocrine disruptor	fungicide, insecticide	

Reporting of inorganic chemicals was not required prior to the 2006 Inventory Update Reporting.

[1] A record with "x (2006)" in the column " HPV (2006 and 3 of 4 years)" indicates an inorganic chemical reported at 1 million or more pounds on the 2006 Inventory Update Reporting.

[2] HPV status reflects analysis from 2010. EPA's 2012 Chemical Data Reporting information not yet analyzed

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