

1 S.239

2 Introduced by Senators Lyons, Mullin, Ashe, and Pollina

3 Referred to Committee on Health and Welfare

4 Date: January 7, 2014

5 Subject: Health; environmental health; toxic substances; consumer products

6 Statement of purpose of bill as introduced: This bill proposes to require the
7 Department of Health to identify and publish a list of chemicals of high
8 concern. The Department of Health would designate a chemical as one of high
9 concern if certain conditions are met. The bill would also require a
10 manufacturer of a consumer product containing a chemical of high concern to
11 notify the Commissioner of Health of the use of the chemical in the product
12 and to replace the chemical with a safer alternative. If a manufacturer fails to
13 replace the chemical of high concern in the consumer product or fails to obtain
14 a waiver, the bill would prohibit the sale of that consumer product in the State.

15 An act relating to the regulation of toxic substances

16 It is hereby enacted by the General Assembly of the State of Vermont:

1 ~~Sec. 1. FINDINGS~~

2 The General Assembly finds that:

3 (1) There are more than 84,000 chemicals used commercially in the
4 United States, and each year approximately 1,000 chemicals are added to the
5 list of registered chemicals.

6 (2) More than 90 percent of the chemicals in commercial use in the
7 United States have never been fully tested for potential impacts on human
8 health or the environment.

9 (3) In 1976, the federal government passed the Toxic Substances
10 Control Act (TSCA) in an attempt to improve the regulation of chemicals in
11 the United States. However, TSCA grandfathered approximately 62,000
12 chemicals from regulation under the Act. Consequently, the U.S.
13 Environmental Protection Agency (EPA) is not required to assess the risk of
14 these chemicals. Since TSCA became law, EPA only has required testing for
15 approximately 200 chemicals, and has banned or restricted the use of only five
16 of those chemicals. No chemicals have been banned in over 20 years.

17 (4) Biomonitoring studies reveal that toxic chemicals are in the bodies
18 of people, including chemicals linked to cancer, brain and nervous damage,
19 birth defects, developmental delays, and reproductive harm. Even newborn
20 babies have chemical body burdens, proving that they are being polluted while
21 in the womb.

1 ~~(5) A growing body of scientific evidence demonstrates that these~~
2 ~~chemical exposures are taking a toll on public health and are playing a role in~~
3 ~~the incidence and prevalence of many diseases and disorders, including~~
4 ~~leukemia, breast cancer, asthma, reproductive difficulties, birth defects, and~~
5 ~~autism.~~

6 (6) The societal and health care costs attributed to toxic exposures are
7 extraordinary. More than \$2.3 billion are spent every year just on the medical
8 costs of cancer, asthma, and neurobehaviorial disorders associated with toxic
9 chemicals.

10 (7) Vermont has regulated the use of individual chemicals of concern,
11 including lead, mercury, bisphenol A, phthalates, Deca, and chlorinated Tris,
12 but reviewing chemicals individually, one at a time, is inefficient and
13 inadequate for addressing the issues posed by chemicals of concern.

14 (8) Other states and countries, including Maine, Washington, California,
15 and the European Union, are already taking a more comprehensive approach to
16 chemical regulation in consumer products, and chemical regulation in Vermont
17 should harmonize with these efforts.

18 (9) The Department of Health and the Agency of Natural Resources
19 have experience monitoring and regulating chemical use through the toxic use
20 and hazardous waste reduction programs.

1 ~~Sec. 2. 18 V.S.A. chapter 38A is added to read:~~

2 CHAPTER 38A. TOXIC CHEMICAL IDENTIFICATION

3 § 1771. POLICY

4 It is the policy of the State of Vermont to protect public health and the
5 environment by reducing exposure of its citizens and vulnerable populations,
6 such as children, to toxic chemicals, particularly when safer alternatives exist.

7 § 1772. DEFINITIONS

8 As used in this chapter:

9 (1) "Agency" means the Agency of Natural Resources.

10 (2) "Alternative" means a substitute process, product, material,
11 chemical, strategy, or combination of these that serves a functionally
12 equivalent purpose to a chemical of high concern.

13 (3) "Bioaccumulative" means a substance that increases in concentration
14 in living organisms as they take in contaminated air, water, soil, sediment, or
15 food because the substances are very slowly metabolized or excreted.

16 (4) "Chemical" means an element or a substance with a distinct
17 molecular composition or a group of structurally related substances and
18 includes the breakdown products of the substance or substances that form
19 through decomposition or metabolism.

20 (5) "Chemical of high concern" means a priority chemical identified by
21 the Department of Health under section 1773 of this chapter.

1 ~~(6) "Commissioner" means the Commissioner of Health.~~

2 (7) "Consumer product" means any item sold for personal use, including
3 any component or packaging. "Consumer product" does not mean a food or
4 beverage, an additive to a food or beverage, a tobacco product, a pesticide
5 regulated by the U.S. Environmental Protection Agency, a drug or biologic
6 regulated by the federal Food and Drug Administration, or the packaging of a
7 drug or biologic that is regulated by the federal Food and Drug Administration.

8 (8) "De minimis level" means 100 parts per million, unless another level
9 is determined by the Commissioner, in consultation with the Secretary, to be
10 anticipated reasonably not to pose a threat to human health or the environment.

11 (9) "Department" means the Department of Health.

12 (10) "Manufacturer" means:

13 (A) any person who manufactures a consumer product or whose
14 name is affixed to a consumer product or its packaging or advertising, and the
15 consumer product is sold or offered for sale in Vermont; or

16 (B) any person who sells a consumer product to a retailer in Vermont
17 when the person who manufactures the consumer product or whose name is
18 affixed to a consumer product or its packaging or advertising does not have a
19 presence in the United States other than the sale or offer for sale of the
20 manufacturer's products.

1 ~~(11) “Persistent” means a chemical that tends to remain in the~~
2 ~~environment without transformation or breakdown into another chemical form.~~

3 ~~(12) “Priority chemical” means a chemical that has been identified on~~
4 ~~the basis of credible scientific evidence by an authoritative state or federal~~
5 ~~governmental agency, or on the basis of other scientific evidence considered~~
6 ~~credible by the Department, as being known to or reasonably anticipated to:~~

7 ~~(A) harm the normal development of a fetus or child or cause other~~
8 ~~developmental toxicity;~~

9 ~~(B) cause cancer, genetic damage, or reproductive harm;~~

10 ~~(C) disrupt the endocrine system;~~

11 ~~(D) damage the nervous system, immune system, organs, or other~~
12 ~~systems of the human body;~~

13 ~~(E) be persistent, bioaccumulative, and toxic; or~~

14 ~~(F) be very persistent and very bioaccumulative.~~

15 ~~(13) “Safer alternative” means a chemical used to replace a chemical of~~
16 ~~high concern:~~

17 ~~(A) that is less hazardous according to a peer-reviewed hazard~~
18 ~~assessment tool currently used by government and business entities; and~~

19 ~~(B) that is not:~~

20 ~~(i) classified as “known to be a human carcinogen” or “reasonably~~
21 ~~anticipated to be a human carcinogen” in the most recent report on carcinogens~~

1 ~~by the National Toxicology Program in the U.S. Department of Health and~~

2 Human Services;

3 (ii) classified as “carcinogenic to humans” or “likely to be
4 carcinogenic to humans” in the U.S. Environmental Protection Agency’s most
5 recent list of chemicals evaluated for carcinogenic potential; or

6 (iii) identified by the U.S. Environmental Protection Agency or
7 National Institutes of Health as causing birth defects, hormone disruption,
8 neurotoxicity, or harm to reproduction or development.

9 (14) “Secretary” means the Secretary of Natural Resources.

10 (15) “Toxic” means a substance or mixture of substances that can harm
11 humans, plants, or wildlife.

12 (16) “Very bioaccumulative” means having a bioconcentration factor or
13 bioaccumulation factor equal to or greater than 5,000, or having a log of the
14 octanol-water partition coefficient, known as log Kow, greater than 5.0.

15 (17) “Very persistent” means having:

16 (A) a half-life in soil or sediment of greater than 180 days; or

17 (B) a half-life equal to or greater than 60 days in water or evidence of
18 long-range transport.

19 § 1773. CHEMICAL OF HIGH CONCERN

20 (a) List of chemicals. On or before July 1, 2015, and biennially thereafter,
21 the Commissioner of Health, in consultation with the Secretary of Natural

1 ~~Resources, shall publish a list of priority chemicals that are of a high concern~~
2 ~~for human health or the environment.~~

3 ~~(b) Criteria. The Commissioner of Health shall designate a chemical as a~~
4 ~~chemical of high concern if it is a priority chemical that meets, on the basis of~~
5 ~~credible scientific evidence, one or more of the following criteria:~~

6 ~~(1) the chemical has been found through biomonitoring to be present in~~
7 ~~human blood, umbilical cord blood, breast milk, urine, or other bodily tissues~~
8 ~~or fluids;~~

9 ~~(2) the chemical has been found through sampling and analysis to be~~
10 ~~present in household dust, indoor air, drinking water, or elsewhere in the home~~
11 ~~environment; or~~

12 ~~(3) the chemical has been found through monitoring to be present in~~
13 ~~fish, wildlife, or the natural environment.~~

14 ~~(c) Resources for consideration. The Commissioner, in determining the list~~
15 ~~of chemicals of high concern, may consider designations made by other states,~~
16 ~~the federal government, other countries, or other governmental agencies.~~

17 ~~(d) Publication of list. The list of chemicals of high concern shall be~~
18 ~~posted on the Department of Health website. For each chemical on the list, the~~
19 ~~Commissioner of Health shall post information regarding the potential health~~
20 ~~impacts associated with exposure to the chemical.~~

1 ~~(e) Revisions. The Commissioner of Health, after consultation with the~~
2 ~~Secretary of Natural Resources, shall update the list of chemicals of high~~
3 ~~concern at least every two years, and may add chemicals of high concern to the~~
4 ~~list. The Commissioner shall promptly update the list on the Department's~~
5 ~~website as needed.~~

6 ~~(f) Rulemaking. The Department shall adopt rules to implement the~~
7 ~~requirements of this section.~~

8 § 1774. DISCLOSURE OF INFORMATION ON CHEMICALS OF HIGH
9 CONCERN

10 ~~(a) Not later than one year after a chemical is placed on the list of~~
11 ~~chemicals of high concern, a manufacturer of a consumer product shall submit~~
12 ~~to the Department the notice described in subsection (b) of this section if:~~

13 ~~(1) the manufacturer intentionally adds a chemical included in the list of~~
14 ~~chemicals of high concern to a consumer product; or~~

15 ~~(2) a consumer product contains a chemical of high concern above a~~
16 ~~de minimis level.~~

17 ~~(A) An exemption for a de minimis level in a consumer product~~
18 ~~applies only if the listed chemical is present in the manufactured product as an~~
19 ~~impurity and remains in the product distributed in commerce below the level~~
20 ~~determined by the Department for each chemical.~~

1 ~~(B) An exemption for a de minimis level in a consumer product does~~
2 ~~not apply to a by-product manufactured coincidentally as a result of~~
3 ~~manufacturing, processing, other use, or any waste management activity.~~

4 ~~(b) The notice required by subsection (a) of this section shall contain the~~
5 ~~following information:~~

6 ~~(1) the name of the chemical used or produced and its chemical abstracts~~
7 ~~service registry number;~~

8 ~~(2) a description of the product or product component containing the~~
9 ~~substance;~~

10 ~~(3) a description of the function of the chemical in the product;~~

11 ~~(4) the amount of the chemical used in each unit of the product or~~
12 ~~product component. The amount may be reported in ranges, rather than the~~
13 ~~exact amount;~~

14 ~~(5) the name and address of the manufacturer and the name, address,~~
15 ~~and telephone number of a contact person for the manufacturer; and~~

16 ~~(6) any other information the manufacturer deems relevant to the~~
17 ~~appropriate use of the product.~~

18 ~~(c) A trade association may, on behalf of its member manufacturers,~~
19 ~~provide the notice of disclosure required under this section.~~

20 ~~(d) In order for the Department to obtain the information required in the~~
21 ~~notice described in subsection (b) of this section, the Department may enter~~

1 ~~into reciprocal data sharing agreements with other states in which a~~
2 manufacturer of consumer products is also required to disclose information
3 related to chemicals of high concern in consumer products. If the Department
4 has entered into a data-sharing agreement with another state, and a
5 manufacturer has reported the information required in the notice described in
6 subsection (b) of this section to that state, the manufacturer may request that
7 the other state provide the Department with the information in lieu of the
8 manufacturer directly reporting the information to the Department.

9 (e) A manufacturer fulfills the notice requirement of subsection (a) of this
10 section when the Department receives the information from the other state and
11 the Department determines that the information received meets the description
12 specified in subsection (b) of this section.

13 (f) The Department shall maintain a website providing consumers with a
14 summary of the chemicals of high concern reported in consumer products.

15 (g) A manufacturer required under this section to provide information on
16 its use of a chemical of high concern shall, within 30 days of receipt of an
17 invoice from the Department, pay a fee, not to exceed \$5,000.00 per disclosure
18 of use of a chemical of high concern in a consumer product, which will be
19 deposited in the Chemicals of High Concern Fund for the purposes of that
20 fund.

~~§ 1775. REMOVAL, REPLACEMENT, AND WAIVERS~~

~~(a) Within three years of the date a manufacturer provides notice that a consumer product contains a chemical of high concern included on the list maintained pursuant to section 1773 of this chapter, a manufacturer shall remove or replace the chemical in the consumer product, or shall obtain a waiver under this section.~~

~~(b)(1) When a manufacturer of a consumer product removes a chemical of high concern from a consumer product by replacing it with another chemical, the manufacturer shall submit to the Department an assessment that demonstrates that the proposed replacement is a safer alternative.~~

~~(2) If the Department determines that the replacement chemical is not a safer alternative, the manufacturer shall submit a revised assessment within 60 days, or seek a waiver as described in subsection (c) of this section.~~

~~(c) To apply for a waiver from the requirements of subsections (a) and (b) of this section, a manufacturer shall submit an application to the Department that adequately addresses the following issues relating to the chemical and the product for which the waiver is sought:~~

~~(1) toxicity data;~~

~~(2) quantitative analysis of potential exposure of children to the chemical, including data on leachability and bioavailability;~~

1 ~~(3) a safer alternative assessment that identifies and compares potential~~
2 chemical and nonchemical alternatives that may be used as substitutes to
3 replace the chemical;

4 (4) data on the financial and technical feasibility of replacing the
5 chemical with a safer alternative;

6 (5) the importance of the product in providing for consumer safety or
7 health.

8 (d) The Department shall assess whether the manufacturer has replaced the
9 chemical of high concern with a safer alternative. The Department shall
10 approve or disapprove a safer alternative assessment or waiver application, or
11 offer alternative remedies such as labeling, within 180 days of its submittal. If
12 the Department fails to act within 180 days, the safer alternative assessment or
13 waiver application is deemed approved. If the Department disapproves a safer
14 alternative assessment or waiver application, the manufacturer may submit a
15 revised safer alternative assessment or waiver application for consideration
16 within 180 days of the disapproval.

17 (e) Beginning four years after a chemical of high concern is included on the
18 list maintained pursuant to section 1773 of this chapter, no manufacturer shall
19 sell a consumer product in or into the State that contains a listed chemical
20 unless the manufacturer of the consumer product has obtained a waiver under
21 this section.

~~§ 1776. CHEMICALS OF HIGH CONCERN FUND~~

~~(a) The Chemicals of High Concern Fund is established in the State Treasury, separate and distinct from the General Fund, to be administered by the Department. Interest earned by the Fund shall be credited to the Fund. Monies in the Fund shall be made available to the Department and the Agency to pay costs incurred in administration of the requirements of this chapter.~~

~~(b) The Department may accept gifts, grants, or contributions from any public or private source for the purpose of carrying out this chapter.~~

~~(c) The Chemicals of High Concern Fund shall consist of:~~

~~(1) monies accepted by the Department pursuant to subsection (a) of this section; and~~

~~(2) fees and charges collected under section 1774 of this chapter.~~

~~§ 1777. REPORTING TO GENERAL ASSEMBLY~~

~~Beginning on January 15, 2016, the Department biennially shall submit to the Senate Committee on Health and Welfare and the House Committee on Human Services a report regarding the implementation of this chapter, including:~~

~~(1) any updates made to the list of chemicals of high concern required under section 1773 of this chapter;~~

~~(2) the number of manufacturers in compliance with this chapter and an analysis of the information collected, specifying:~~

1 ~~(A) the number and types of consumer products sold or offered for~~
2 ~~sale in this State that contain chemicals of high concern used in consumer~~
3 ~~products;~~

4 ~~(B) the types and range of amounts of chemicals of high concern~~
5 ~~used in consumer products; and~~

6 ~~(C) recommendations on how to reduce or prevent exposure to~~
7 ~~chemicals of high concern used in consumer products.~~

8 ~~(3) a summary of any federal reforms to the Toxic Substances Control~~
9 ~~Act and potential impacts of the reforms on implementation of this chapter.~~

10 § 1778. VIOLATIONS AND ENFORCEMENT

11 A violation of this chapter shall be considered a violation of the Consumer
12 Protection Act, 9 V.S.A. chapter 63. The Attorney General has the same
13 authority to make rules, conduct civil investigations, enter assurances of
14 discontinuance, and bring civil actions, and private parties have the same rights
15 and remedies as provided under 9 V.S.A. chapter 63, subchapter 1.

16 § 1779. RULEMAKING

17 The Commissioner may adopt rules to implement the requirements of this
18 chapter.

19 Sec. 3. EFFECTIVE DATE

20 ~~This act shall take effect on July 1, 2014.~~

Sec. 1. FINDINGS

The General Assembly finds that:

(1) There are more than 84,000 chemicals used commercially in the United States, and each year approximately 1,000 chemicals are added to the list of registered chemicals.

(2) More than 90 percent of the chemicals in commercial use in the United States have never been fully tested for potential impacts on human health or the environment.

(3) In 1976, the federal government passed the Toxic Substances Control Act (TSCA) in an attempt to improve the regulation of chemicals in the United States. However, TSCA grandfathered approximately 62,000 chemicals from regulation under the Act. Consequently, the U.S. Environmental Protection Agency (EPA) is not required to assess the risk of these chemicals. Since TSCA became law, EPA only has required testing for approximately 200 chemicals, and has banned or restricted the use of five of those chemicals. No chemicals have been banned in over 20 years.

(4) Biomonitoring studies reveal that toxic chemicals are in the bodies of people, including chemicals linked to cancer, brain and nervous damage, birth defects, developmental delays, and reproductive harm. Even newborn babies have chemical body burdens, proving that they are being polluted while in the womb.

(5) A growing body of scientific evidence demonstrates that these chemical exposures are taking a toll on public health and are playing a role in the incidence and prevalence of many diseases and disorders, including leukemia, breast cancer, asthma, reproductive difficulties, birth defects, and autism.

(6) The societal and health care costs attributed to toxic exposures are extraordinary. More than \$2.3 billion are spent every year just on the medical costs of cancer, asthma, and neurobehaviorial disorders associated with toxic chemicals.

(7) Vermont has regulated the use of individual chemicals of concern, including lead, mercury, bisphenol A, phthalates, decabromodiphenyl ether, tris(1,3-dichloro-2-propyl) phosphate, and tris(2-chloroethyl) phosphate, but reviewing chemicals individually, one at a time, is inefficient and inadequate for addressing the issues posed by chemicals of concern.

(8) Other states and countries, including Maine, Washington, California, and the European Union, are already taking a more comprehensive approach to chemical regulation in consumer products, and chemical regulation in Vermont should harmonize with these efforts.

~~(9) The State has experience monitoring and regulating chemical use through the toxic use and hazardous waste reduction programs.~~

~~(10) In order to ensure that the regulation of toxic chemicals is robust and protective, parties affected by the regulation of chemical use shall have ample opportunity to comment on proposed regulation so that the legal and financial risks of regulation are minimized.~~

Sec. 2. 18 V.S.A. chapter 38A is added to read:

CHAPTER 38A. TOXIC CHEMICAL IDENTIFICATION

§ 1771. POLICY

It is the policy of the State of Vermont:

~~(1) to protect public health and the environment by reducing exposure of its citizens and vulnerable populations, such as children, to toxic chemicals, particularly when safer alternatives exist; and~~

~~(2) that the State attempt, when possible, to regulate toxic chemicals in a manner that is consistent with regulation of toxic chemicals in other states.~~

§ 1772. DEFINITIONS

As used in this chapter:

~~(1) “Aircraft” shall be defined as in 5 V.S.A. § 202.~~

~~(2) “Chemical” means a substance with a distinct molecular composition or a group of structurally related substances and includes the breakdown products of the substance or substances that form through decomposition, degradation, or metabolism. “Chemical” shall not mean crystalline silica in any form, as derived from ordinary sand or as present as a naturally occurring component of any other mineral raw material, including granite, gravel, limestone, marble, slate, soapstone, and talc.~~

~~(3) “Chemical of high concern” means a chemical identified by the Department pursuant to section 1773 of this title.~~

~~(4) “Consumer product” means any product that is regularly used or purchased to be used for personal, family, or household purposes. “Consumer product” shall not mean:~~

~~(A) a product primarily used or purchased for industrial or business use that does not enter the consumer product market or is not otherwise sold at retail.~~

~~(B) a food or beverage or an additive to a food or beverage;~~

~~(C) a tobacco product;~~

~~(D) a pesticide regulated by the U.S. Environmental Protection Agency;~~

~~(E) a drug or biologic regulated by the federal Food and Drug Administration, or the packaging of a drug or biologic that is regulated by the federal Food and Drug Administration; or~~

~~(F) an item sold for outdoor residential use that consists of a composite material made from polyester resins; or~~

~~(G) (F) ammunition or components thereof, firearms, air rifles, hunting or fishing equipment or components thereof.~~

~~(5) "Contaminant" means a chemical that is not an intentionally added ingredient in a product, and the source or sources of the chemical in the product are one or more of the following:~~

~~(A) a naturally occurring contaminant commonly found in raw materials that are frequently used to manufacture the product;~~

~~(B) air or water frequently used as a processing agent or an ingredient to manufacture the product;~~

~~(C) a contaminant commonly found in recycled materials that are frequently used to manufacture the product; or~~

~~(D) a processing reagent, processing reactant, by-product, or intermediate frequently used to promote certain chemical or physical changes during manufacturing, and the incidental retention of a residue is not desired or intended.~~

~~(6) "Manufacturer" means:~~

~~(A) any person who manufactures a consumer product or whose name is affixed to a consumer product or its packaging or advertising, and the consumer product is sold or offered for sale in Vermont; or~~

~~(B) any person who sells a consumer product to a retailer in Vermont when the person who manufactures the consumer product or whose name is affixed to the consumer product or its packaging or advertising does not have a presence in the United States other than the sale or offer for sale of the manufacturer's products.~~

~~(7) "Motor vehicle" means every vehicle intended primarily for use and operation on the public highways and shall include snowmobiles, all-terrain vehicles, and farm tractors and other machinery used in the production, harvesting, and care of farm products.~~

~~(8) "Practical quantification limit (PQL)" means the lowest concentration that can be reliably measured within specified limits of~~

~~precision, accuracy, representativeness, completeness, and comparability during routine laboratory operating conditions.~~

~~(9) "Priority chemical" means a chemical that:~~

~~(A) is on the list of chemicals published by the Department as required under section 1773 of this title; and~~

~~(B) is found in a consumer product.~~

~~(10) "Vessel" means every description of watercraft used or capable of being used as a means of transportation on water.~~

~~§ 1773. CHEMICALS OF HIGH CONCERN~~

~~(a) List of chemicals. On or before July 1, 2016, the Commissioner of Health, in consultation with the Secretary of Natural Resources, shall adopt and publish a list of chemicals of high concern to human health or the environment. Beginning on July 1, 2018, and biennially thereafter, the Commissioner of Health shall review, revise, and reissue the list of chemicals of high concern to human health or the environment.~~

~~(b) Criteria. The Commissioner of Health shall designate a chemical as a chemical of high concern if it is a chemical that meets, on the basis of credible scientific evidence, both of the following criteria in subdivisions (1) and (2) of this subsection:~~

~~(1) The chemical has been demonstrated to:~~

~~(A) harm the normal development of a fetus or child or cause other developmental toxicity;~~

~~(B) cause cancer, genetic damage, or reproductive harm;~~

~~(C) disrupt the endocrine system;~~

~~(D) damage the nervous system, immune system, or organs or cause other systemic toxicity; or~~

~~(E) be persistent and bioaccumulative.~~

~~(2) The chemical has been found through:~~

~~(A) biomonitoring to be present in human blood, umbilical cord blood, breast milk, urine, or other bodily tissues or fluids;~~

~~(B) sampling and analysis to be present in household dust, indoor air, drinking water, or elsewhere in the home environment; or~~

~~(C) monitoring to be present in fish, wildlife, or the natural environment.~~

~~(c) Resources for consideration. In determining the list of chemicals of concern, the Commissioner of Health may consider designations made by other states, the federal government, other countries, or other governmental agencies.~~

~~(d) Publication of list. On or before July 1, 2016, the list of chemicals of concern shall be posted on the Department of Health website.~~

~~(e) PQL value. A PQL value established under this chapter for individual chemicals shall depend on the analytical method used for each chemical. The PQL value shall be based on scientifically defensible, standard analytical methods as advised by guidance published by the Department.~~

~~§ 1774. CHEMICALS OF HIGH CONCERN WORKING GROUP~~

~~(a) Creation. A Chemicals of High Concern Working Group (Working Group) is created for the purpose of advising the Commissioner of Health regarding implementation of the requirements of this chapter.~~

~~(b) Membership.~~

~~(1) The Working Group shall be composed of the following members who, except for ex officio members, shall be appointed by the Governor after consultation with the Commissioner of Health:~~

~~(A) the Commissioner of Health or designee, who shall be the chair of the Working Group;~~

~~(B) the Commissioner of Environmental Conservation or designee;~~

~~(C) the State toxicologist or designee;~~

~~(D) a representative of a public interest group in the State with experience in advocating for the regulation of toxic substances;~~

~~(E) a representative of an organization within the State with expertise in issues related to the health of children or pregnant women;~~

~~(F) two representatives of businesses in the State that use chemicals in a manufacturing or production process; and~~

~~(G) a scientist with expertise in the toxicity of chemicals.~~

~~(2)(A) In addition to the members of the Working Group appointed under subdivision (1) of this subsection, the Governor may appoint up to three additional, adjunct members for purposes of:~~

~~(i) reviewing whether a specific chemical should be listed as a chemical of high concern; or~~

~~(ii) recommending the regulation of the sale or distribution of a consumer product containing a priority chemical.~~

~~(B) An adjunct member appointed under this subdivision (2) shall have expertise or knowledge of the chemical or consumer product under review or shall have expertise or knowledge in the potential health effects of the chemical at issue.~~

~~(C) Adjunct members appointed under this subdivision (2) shall have the same authority and powers as a member of the Working Group appointed under subdivision (1) of this subsection (b), provided that such authority and power is limited to review of the specific chemical or consumer product for which the adjunct member has expertise.~~

~~(3) The members of the Working Group appointed under subdivision (1) of this subsection shall serve staggered three-year terms. The Governor may remove members of the Working Group who fail to attend three consecutive meetings and may appoint replacements. The Governor may reappoint members to serve more than one term.~~

~~(c) Powers and duties. The Working Group shall:~~

~~(1) upon the request of the Chair of the Working Group, review proposed chemicals for listing as a chemical of high concern under section 1773 of this title; and~~

~~(2) recommend whether the Department of Health should adopt a rule under section 1776 of this title to regulate the sale or distribution of a consumer product containing a priority chemical.~~

~~(d) Commissioner of Health recommendation; assistance.~~

~~(1) Beginning on July 1, 2017, and biennially thereafter, the Commissioner of Health shall recommend at least two priority chemicals in consumer products for review by the Working Group. The Commissioner's recommendations shall be based on the degree of human health risks, exposure pathways, and impact on sensitive populations presented by a priority chemical.~~

~~(2) The Working Group shall have the administrative, technical, and legal assistance of the Department of Health.~~

~~(e) Meetings.~~

~~(1) The Chair of the Working Group may convene the Working Group at any time, but no less frequently than at least once every other year.~~

~~(2) A majority of the members of the Working Group, including adjunct members when appointed, shall constitute a quorum, and all action shall be taken upon a majority vote of the members present and voting.~~

~~(f) Reimbursement. Members of the Working Group, including adjunct members, whose participation is not supported through their employment or association shall receive per diem compensation pursuant to 32 V.S.A. § 1010 and reimbursement of travel expenses. A per diem authorized by this section shall be paid from the budget of the Department of Health.~~

~~§ 1775. DISCLOSURE OF INFORMATION ON CHEMICALS OF HIGH CONCERN~~

~~(a) No later than one year after a chemical is placed on the list of chemicals of high concern under section 1773 of this title, and biennially thereafter, a manufacturer of a consumer product shall submit to the Department the notice described in subsection (b) of this section if a chemical of high concern is:~~

~~(1) added to a consumer product at a level above the POL produced by the manufacturer; or~~

~~(2) present in a consumer product produced by the manufacturer as a contaminant at a concentration of 100 parts per million or greater.~~

~~(b) The Commissioner shall specify the format for submission of the notice required by subsection (a) of this section, provided that the required format shall be generally consistent with the format for submission of notice in other states with requirements substantially similar to the requirements of this section. Any notice submitted under subsection (a) shall contain the following information:~~

~~(1) the name of the chemical used or produced and its chemical abstracts service registry number;~~

~~(2) a description of the product or product component containing the substance;~~

~~(3) the amount of the chemical used in each unit of the product or product component;~~

~~(4) the name and address of the manufacturer of the consumer product and the name, address, and telephone number of a contact person for the manufacturer;~~

~~(5) any other information the manufacturer deems relevant to the appropriate use of the product; and~~

~~(6) any other information required by the Commissioner under rules adopted pursuant to 3 V.S.A. chapter 25.~~

~~(c)(1) In order for the Department to obtain the information required in the notice described in subsection (b) of this section, the Department may enter~~

~~into reciprocal data sharing agreements with other states in which a manufacturer of consumer products is also required to disclose information related to chemicals of concern in consumer products. The Department shall not disclose trade secret information, confidential business information, or other information designated as confidential by law under a reciprocal data-sharing agreement.~~

~~(2) The Commissioner may waive reporting requirements under this section if a manufacturer submitted the information required by this section to a state with which the Department has entered a reciprocal data-sharing agreement.~~

~~(d) A manufacturer who submitted the notice required by subsection (a) of this section may at any time submit to the Department notice that a chemical of high concern has been removed from the manufacturer's consumer product or that the manufacturer no longer sells, offers for sale, or distributes in the State the consumer product containing the chemical of high concern.~~

~~(e) A manufacturer required under this section to provide information on its use of a chemical of high concern shall, within 30 days of receipt of an invoice from the Department, pay a fee not to exceed \$2,000.00 per chemical included on the list of chemicals of high concern. A fee submitted under this subsection shall be submitted only with the first submission of notice required under this section, and shall not be required for each required subsequent biennial notice. Fees collected under this subsection shall be deposited in the Chemicals of High Concern Fund for the purposes of that Fund.~~

~~§ 1776. PRIORITY CHEMICALS; PROHIBITION OF SALE;
DEPARTMENT OF HEALTH RULEMAKING~~

~~(a)(1) Upon receipt of a recommendation from the Chemicals of High Concern Working Group under subdivision 1774(c)(2) of this title, the Commissioner may adopt a rule to regulate the sale or distribution of a consumer product containing a priority chemical when, based on the weight of available, scientific studies, the toxicity of the priority chemical in the consumer product and its potential exposure pathways in the product pose a public health risk as that term is defined in 18 V.S.A. § 2(12).~~

~~(2) A rule adopted under this section may:~~

~~(A) prohibit the consumer product containing the priority chemical from sale, offer for sale, or distribution in the State; or~~

~~(B) require that the consumer product containing the priority chemical be labeled prior to sale, offer for sale, or distribution in the State.~~

~~(b) In adopting a rule under this section that prohibits the sale, offer for sale, or distribution in the State of a consumer product that contains a priority chemical, the Commissioner may:~~

~~(1) consider whether a safer alternative to the priority chemical exists;~~
~~or~~

~~(2) exempt from regulation a consumer product containing a priority chemical if the manufacturer of the consumer product is implementing a comprehensive chemical management strategy designed to eliminate harmful substances or chemicals from the manufacturing process.~~

~~(c)(1) In any rule adopted under this section, the Commissioner shall adopt reasonable time frames for manufacturers, distributors, and retailers to comply with the requirements of the rules. No prohibition on sale or manufacture of a consumer product in the State shall take effect sooner than two years after the adoption of a rule adopted under this subsection unless the Commissioner determines that an earlier effective date is required to protect human health and the new effective date is established by rule.~~

~~(2) On or before July 1, 2017, the Commissioner of Health shall adopt by rule the process and procedure to be required when the Commissioner of Health adopts a rule under subsection (a) of this section. The rule shall provide:~~

~~(A) criteria for evaluation of priority chemicals in a consumer product, including criteria for whether the consumer product should be prohibited from sale, subject to labeling, or subject to no regulation;~~

~~(B) requirements or time frames for phasing out the sale or distribution of a consumer product containing a priority chemical, including whether retailers selling the consumer product shall be afforded an inventory exception;~~

~~(C) requirements or time frames afforded to a manufacturer to replace a priority chemical in a consumer product; and~~

~~(D) other criteria, requirements, time frames, processes, or procedures that the Commissioner determines are necessary for implementation of rulemaking under subsection (a) of this section.~~

~~(d) In addition to the public participation requirements of 3 V.S.A. chapter 25 and prior to submitting a rule authorized under this section to the Secretary of State under 3 V.S.A. § 838, the Commissioner shall make reasonable efforts to consult with interested parties within the State regarding any proposed prohibition of a priority chemical. The Commissioner may satisfy the consultation requirement of this section through the use of one or~~

~~more workshops, focused work groups, dockets, meetings, or other forms of communication.~~

§ 1777. EXEMPTIONS

The requirements and prohibitions of this chapter shall not apply to a consumer product:

- (1) that is an electronic device, a motor vehicle, an aircraft, or a vessel;
- (2) in which the chemical of high concern is present solely within the internal components of the device, motor vehicle, aircraft, or vessel; and
- (3) the internal components of which are encased in a housing, compartment, or panel or are otherwise inaccessible to a consumer using the product as intended.

§ 1778. CHEMICALS OF HIGH CONCERN FUND

(a) The Chemicals of High Concern Fund is established in the State Treasury, separate and distinct from the General Fund, to be administered by the Commissioner of Health. Interest earned by the Fund shall be credited to the Fund. Monies in the Fund shall be made available to the Department of Health and the Agency of Natural Resources to pay costs incurred in administration of the requirements of this chapter.

(b) The Chemicals of High Concern Fund shall consist of:

- (1) fees and charges collected under section 1775 of this chapter;
- (2) private gifts, bequests, grants, or donations made to the State from any public or private source for the purposes for which the Fund was established; and
- (3) such sums as may be appropriated by the General Assembly.

§ 1779. CONFIDENTIALITY

Information submitted to or acquired by the Department or the Chemicals of High Concern Working Group under this chapter may be subject to public inspection or copying or may be published on the Department website, provided that trade secret information and confidential business information shall be exempt from public inspection and copying under 1 V.S.A. § 317(c)(9) and information otherwise designated confidential by law shall be exempt from public inspection and copying under 1 V.S.A. § 317(c)(1). It shall be the burden of the manufacturer to assert that information submitted under this chapter is a trade secret, confidential business information, or is otherwise designated confidential by law. The Commissioner may publish information submitted or acquired under this chapter that is designated a trade secret, confidential business information, or otherwise confidential by law, provided

~~that the information shall be published in a summary or aggregate form and the information shall not directly or indirectly identify an individual manufacturer or a business advantage of an individual manufacturer.~~

~~§ 1780. VIOLATIONS; ENFORCEMENT~~

~~A violation of this chapter shall be considered a violation of the Consumer Protection Act in 9 V.S.A. chapter 63. The Attorney General has the same authority to make rules, conduct civil investigations, enter into assurances of discontinuance, and bring civil actions under 9 V.S.A. chapter 63, subchapter 1. Private parties shall not have a private right of action under this chapter.~~

~~Sec. 3. REPORT TO GENERAL ASSEMBLY; TOXIC CHEMICAL IDENTIFICATION~~

~~(a) On or before January 15, 2015, and biennially thereafter, the Commissioner of Health shall submit to the Senate Committee on Health and Welfare, the House Committee on Human Services, the House Committee on Ways and Means, the Senate Committee on Finance, and the Senate and House Committees on Appropriations, a report concerning implementation, administration, and financing by the Department of Health of the toxic chemical identification requirements of 18 V.S.A. chapter 38A. The report shall include:~~

~~(1) any updates to the list of chemicals of high concern required under 18 V.S.A. § 1773;~~

~~(2) the number of manufacturers providing notice under 18 V.S.A. § 1775 regarding whether a consumer product includes a chemical of high concern;~~

~~(3) the number of priority chemicals in consumer products identified or regulated by the Department of Health under 18 V.S.A. § 1776;~~

~~(4) an estimate of the annual cost to the Department of Health to implement the toxic chemical identification program;~~

~~(5) the number of Department of Health employees needed to implement the toxic chemical identification program;~~

~~(6) an estimate of additional funding that the Department may require to implement the toxic chemical identification program; and~~

~~(7) a recommendation of how the State should collaborate with other states in implementing the requirements of the toxic chemical identification program.~~

~~(b) As part of the report submitted on or before January 15, 2015, the Commissioner of Health shall recommend a process or method of informing consumers in the State of the presence of a priority chemical in a consumer product. A recommendation under this subsection may include recommended legislative changes, rulemaking, public notice requirements, or reference to other publicly available resources that identify priority chemicals in consumer products.~~

~~Sec. 4. 18 V.S.A. § 1779 is amended to read~~

~~§ 1779. CONFIDENTIALITY~~

~~Information submitted to or acquired by the Department or the Chemicals of High Concern Working Group under this chapter may be subject to public inspection or copying or may be published on the Department website, provided that:~~

~~(1) Information that is protected under the Uniform Trade Secrets Act, as codified under 9 V.S.A. chapter 143, trade secret information, and confidential business information shall be exempt from public inspection and copying under 1 V.S.A. § 317(c)(9) and information otherwise designated confidential by law shall be exempt from public inspection and copying under 1 V.S.A. § 317(c)(1). It shall be the burden of the manufacturer to assert that information submitted under this chapter is a trade secret, confidential business information, or is otherwise designated confidential by law.~~

~~(2) The Commissioner may publish information collected under this section provided that the information is not trade secret information, confidential business information, or is not otherwise designated confidential by law.~~

~~(3) The Commissioner may require, as a part of a report or notice submitted under this chapter, that a manufacturer submit a notice or report that does not contain trade secret information or confidential business information and is available for public inspection and review.~~

~~Sec. 4. 18 V.S.A. § 1779 is amended to read~~

~~§ 1779. CONFIDENTIALITY~~

~~Information submitted to or acquired by the Department or the Chemicals of High Concern Working Group under this chapter may be subject to public inspection or copying or may be published on the Department website, provided that:~~

~~(1) Information that is protected under the Uniform Trade Secrets Act, as codified under 9 V.S.A. chapter 143, trade secret information, and confidential business information shall be exempt from public inspection and~~

~~copying under 1 V.S.A. § 317(c)(9) and information otherwise designated confidential by law shall be exempt from public inspection and copying under 1 V.S.A. § 317(c)(1). It shall be the burden of the manufacturer to assert that information submitted under this chapter is a trade secret, confidential business information, or is otherwise designated confidential by law.~~

~~(2) The Commissioner may publish information collected under this section provided that the information is not trade secret information or confidential business information, or is not otherwise designated confidential by law.~~

~~(3) The Commissioner may publish information submitted or acquired under this chapter that is designated a trade secret, confidential business information, or otherwise confidential by law, provided that the information shall be published in a summary or aggregate form and the information shall not directly or indirectly identify an individual manufacturer or a business advantage of an individual manufacturer.~~

~~(4) The Commissioner may require, as a part of a report or notice submitted under this chapter, that a manufacturer submit a notice or report that does not contain trade secret information or confidential business information and is available for public inspection and review.~~

Sec. 5. EFFECTIVE DATES

~~(a) This section and Secs. 1 (findings), 2 (toxic chemical identification program), and 3 (Department of Health report) shall take effect on passage.~~

~~(b) Sec. 4 (trade secret information) shall take effect on July 1, 2018.~~

Sec. 1. FINDINGS

The General Assembly finds that:

~~(1) There are more than 84,000 chemicals used commercially in the United States, and each year approximately 1,000 chemicals are added to the list of registered chemicals.~~

~~(2) More than 90 percent of the chemicals in commercial use in the United States have never been fully tested for potential impacts on human health or the environment.~~

~~(3) In 1976, the federal government passed the Toxic Substances Control Act (TSCA) in an attempt to improve the regulation of chemicals in the United States. However, TSCA grandfathered approximately 62,000 chemicals from regulation under the Act. Consequently, the U.S. Environmental Protection Agency (EPA) is not required to assess the risk of these chemicals. Since TSCA became law, EPA only has required testing for~~

approximately 200 chemicals, and has banned or restricted the use of five of those chemicals. No chemicals have been banned in over 20 years.

(4) Biomonitoring studies reveal that toxic chemicals are in the bodies of people, including chemicals linked to cancer, brain and nervous damage, birth defects, developmental delays, and reproductive harm. Even newborn babies have chemical body burdens, proving that they are being polluted while in the womb.

(5) Vermont has regulated the use of individual chemicals of concern, including lead, mercury, bisphenol A, phthalates, decabromodiphenyl ether, tris(1,3-dichloro-2-propyl) phosphate, and tris(2-chloroethyl) phosphate, but reviewing chemicals individually, one at a time, is inefficient and inadequate for addressing the issues posed by chemicals of concern.

(6) Other states and countries, including Maine, Washington, California, and the European Union, are already taking a more comprehensive approach to chemical regulation in consumer products, and chemical regulation in Vermont should harmonize with these efforts.

(7) The State has experience monitoring and regulating chemical use through the toxic use and hazardous waste reduction programs.

(8) In order to ensure that the regulation of toxic chemicals is robust and protective, parties affected by the regulation of chemical use shall have ample opportunity to comment on proposed regulation so that the legal and financial risks of regulation are minimized.

Sec. 2. 18 V.S.A. chapter 38A is added to read:

CHAPTER 38A. CHEMICALS OF HIGH CONCERN TO CHILDREN

§ 1771. POLICY

It is the policy of the State of Vermont:

(1) to protect public health and the environment by reducing exposure of its citizens and vulnerable populations, such as children, to toxic chemicals, particularly when safer alternatives exist; and

(2) that the State attempt, when possible, to regulate toxic chemicals in a manner that is consistent with regulation of toxic chemicals in other states.

§ 1772. DEFINITIONS

As used in this chapter:

(1) "Aircraft" shall have the same meaning as in 5 V.S.A. § 202.

(2) "Chemical" means a substance with a distinct molecular composition or a group of structurally related substances and includes the

breakdown products of the substance or substances that form through decomposition, degradation, or metabolism. "Chemical" shall not mean crystalline silica in any form, as derived from ordinary sand or as present as a naturally occurring component of any other mineral raw material, including granite, gravel, limestone, marble, slate, soapstone, and talc.

(3) "Chemical of high concern to children" means a chemical listed under section 1773 or designated by the Department as a chemical of high concern by rule under section 1776 of this title.

(4) "Child" or "children" means an individual or individuals under 12 years of age.

(5) "Children's cosmetics" means cosmetics that are made for, marketed for use by, or marketed to children. "Children's cosmetics" includes cosmetics that meet any of the following conditions:

(A) are represented in its packaging, display, or advertising as appropriate for use by children;

(B) are sold in conjunction with, attached to, or packaged together with other products that are packaged, displayed, or advertised as appropriate for use by children; or

(C) are sold in any of the following:

(i) a retail store, catalogue, or online website, in which a person exclusively offers for sale consumer products that are packaged, displayed, or advertised as appropriate for use by children; or

(ii) a discrete portion of a retail store, catalogue, or online website, in which a person offers for sale products that are packaged, displayed, or advertised as appropriate for use by children.

(6) "Children's jewelry" means jewelry that is made for, marketed for use by, or marketed to children and shall include jewelry that meets any of the following conditions:

(A) is represented in its packaging, display, or advertising as appropriate for use by children;

(B) is sold in conjunction with, attached to, or packaged together with other products that are packaged, displayed, or advertised as appropriate for use by children;

(C) is sized for children and not intended for use by adults; or

(D) is sold in any of the following:

(i) a vending machine;

(ii) a retail store, catalogue, or online website, in which a person exclusively offers for sale products that are packaged, displayed, or advertised as appropriate for use by children; or

(iii) a discrete portion of a retail store, catalogue, or online website, in which a person offers for sale products that are packaged, displayed, or advertised as appropriate for use by children.

(7)(A) "Children's product" means any consumer product, marketed for use by, marketed to, sold, offered for sale, or distributed to children in the State of Vermont, ~~or any consumer product whose substantial use or handling by children under 12 years of age is reasonably foreseeable~~, including:

(i) toys;

(ii) children's cosmetics;

(iii) children's jewelry;

(iv) a product designed or intended by the manufacturer to help a child with sucking or teething, to facilitate sleep, relaxation, or the feeding of a child, or to be worn as clothing by children; or

(v) child car seats.

(B) "Children's product" shall not mean or include the following:

(i) batteries;

~~(ii) consumer electronic products, including personal computers, audio and video equipment, calculators, wireless phones, game consoles, and hand-held devices incorporating a video screen used to access interactive software intended for leisure and entertainment and their associated peripherals;~~

~~(iii) interactive software, intended for leisure and entertainment, such as computer games, and their storage media, such as compact discs;~~

~~(iv)(ii) snow sporting equipment, including skis, poles, boots, snow boards, sleds, and bindings;~~

~~(v)(iii) inaccessible components of a consumer product that during reasonably foreseeable use and abuse of the consumer product would not come into direct contact with a child's skin or mouth; and~~

~~(vi)(iv) used consumer products that are sold in second-hand product markets.~~

(8) "Consumer product" means any product that is regularly used or purchased to be used for personal, family, or household purposes. "Consumer product" shall not mean:

(A) a product primarily used or purchased for industrial or business use that does not enter the consumer product market or is not otherwise sold at retail;

(B) a food or beverage or an additive to a food or beverage;

(C) a tobacco product;

(D) a pesticide regulated by the U.S. Environmental Protection Agency;

(E) a drug, or biologic regulated by the U.S. Food and Drug Administration (FDA), or the packaging of a drug, or biologic that is regulated by the FDA, including over the counter drugs, prescription drugs, dietary supplements, medical devices, or products that are both a cosmetic and a drug regulated by the FDA;

(F) ammunition or components thereof, firearms, air rifles, hunting or fishing equipment or components thereof;

(G) an aircraft, motor vehicle, vessel; ~~or~~

(H) consumer electronic products, including personal computers, audio and video equipment, calculators, wireless telephones, game consoles, and hand-held devices incorporating a video screen used to access interactive software intended for leisure and entertainment and their associated peripherals;

(I) interactive software, intended for leisure and entertainment, such as computer games, and their storage media, such as compact discs; or

~~(H)~~(J) the packaging in which a product is sold, offered for sale, or distributed.

(9) “Contaminant” means a trace amount of a chemical or chemicals that is incidental to manufacturing and serves no intended function in the children’s product or component of the children’s product, including an unintended by-product of chemical reactions during the manufacture of the children’s product, a trace impurity in feed-stock, an incompletely reacted chemical mixture, and a degradation product.

(10) “Cosmetics” means articles intended to be rubbed, poured, sprinkled, or sprayed on, introduced into, or otherwise applied to the human body or any part thereof for cleansing, beautifying, promoting attractiveness, or altering appearance, and articles intended for use as a component of such an article. “Cosmetics” shall not mean soap, dietary supplements, or food and drugs approved by the U.S. Food and Drug Administration.

~~(11) “Intentionally added” means the addition of a chemical in a product that serves an intended function in the product component.~~

(11) “Intentionally added” means the addition of a chemical in a product that serves an intended function in the product component.

~~(12) (11)~~ (12) “Manufacturer” means:

(A) any person who manufactures a children’s product or whose name is affixed to a children’s product or its packaging or advertising, and the children’s product is sold or offered for sale in Vermont; or

(B) any person who sells a children’s product to a retailer in Vermont when the person who manufactures the children’s product or whose name is affixed to the children’s product or its packaging or advertising does not have a presence in the United States other than the sale or offer for sale of the manufacturer’s products.

~~(13) (12)~~ (13) “Motor vehicle” means every vehicle intended primarily for use and operation on the public highways and shall include snowmobiles, all-terrain vehicles, and farm tractors and other machinery used in the production, harvesting, and care of farm products.

~~(14) (13)~~ (14) “Persistent bioaccumulative toxic” means a chemical or chemical group that, based on credible scientific information, meets each of the following criteria:

(A) the chemical can persist in the environment as demonstrated by the fact that:

(i) the half-life of the chemical in water is greater than or equal to 60 days;

(ii) the half-life of the chemical in soil is greater than or equal to 60 days; or

(iii) the half-life of the chemical in sediments is greater than or equal to 60 days; and

(B) the chemical has a high potential to bioaccumulate based on credible scientific information that the bioconcentration factor or bioaccumulation factor in aquatic species for the chemical is greater than 1,000 or, in the absence of such data, that the log-octanol water partition coefficient (log Kow) is greater than five; and

(C) the chemical has the potential to be toxic to children as demonstrated by the fact that:

(i) the chemical or chemical group is a carcinogen, a developmental or reproductive toxicant, or a neurotoxicant;

(ii) the chemical or chemical group has a reference dose or equivalent toxicity measure that is less than 0.003 mg/kg/day; or

(iii) the chemical or chemical group has a chronic no observed effect concentration (NOEC) or equivalent toxicity measure that is less than 0.1 mg/L or an acute NOEC or equivalent toxicity measure that is less than 1.0 mg/L.

~~(15)~~ ~~(14)~~ (15) “Practical quantification limit (PQL)” means the lowest concentration that can be reliably measured within specified limits of precision, accuracy, representativeness, completeness, and comparability during routine laboratory operating conditions.

~~(16)~~ ~~(15)~~ (16) “Toy” means a consumer product designed or intended by the manufacturer to be used by a child at play.

~~(17)~~ ~~(16)~~ (17) “Vessel” means every description of watercraft used or capable of being used as a means of transportation on water.

§ 1773. CHEMICALS OF HIGH CONCERN TO CHILDREN

(a) List of chemicals of high concern to children. The following chemicals are designated as chemicals of high concern to children for the purposes of the requirements of this chapter:

- (1) Formaldehyde.
- (2) Aniline.
- (3) N-Nitrosodimethylamine.
- (4) Benzene.
- (5) Vinyl chloride.
- (6) Acetaldehyde.
- (7) Methylene chloride.
- (8) Carbon disulfide.
- (9) Methyl ethyl ketone.
- (10) 1,1,2,2-Tetrachloroethane.
- (11) Tetrabromobisphenol A.
- (12) Bisphenol A.
- (13) Diethyl phthalate.
- (14) Dibutyl phthalate.
- (15) Di-n-hexyl phthalate.

- (16) Phthalic anhydride.
- (17) Butyl benzyl phthalate (BBP).
- (18) N-Nitrosodiphenylamine.
- (19) Hexachlorobutadiene.
- (20) Propyl paraben.
- (21) Butyl paraben.
- (22) 2-Aminotoluene.
- (23) 2,4-Diaminotoluene.
- (24) Methyl paraben.
- (25) p-Hydroxybenzoic acid.
- (26) Ethylbenzene.
- (27) Styrene.
- (28) 4-Nonylphenol; 4-NP and its isomer mixtures including CAS 84852-15-3 and CAS 25154-52-3.
- (29) para-Chloroaniline.
- (30) Acrylonitrile.
- (31) Ethylene glycol.
- (32) Toluene.
- (33) Phenol.
- (34) 2-Methoxyethanol.
- (35) Ethylene glycol monoethyl ester.
- (36) Tris(2-chloroethyl) phosphate.
- (37) Di-2-ethylhexyl phthalate.
- (38) Di-n-octyl phthalate (DnOP).
- (39) Hexachlorobenzene.
- (40) 3,3'-Dimethylbenzidine and Dyes Metabolized to 3,3'-Dimethylbenzidine.
- (41) Ethyl paraben.
- (42) 1,4-Dioxane.
- (43) Perchloroethylene.

- (44) Benzophenone-2 (Bp-2); 2,2',4,4'-Tetrahydroxybenzophenone.
 - (45) 4-tert-Octylphenol; 4(1,1,3,3-Tetramethylbutyl) phenol.
 - (46) Estragole.
 - (47) 2-Ethylhexanoic acid.
 - (48) Octamethylcyclotetrasiloxane.
 - (49) Benzene, Pentachloro.
 - (50) C.I. Solvent yellow 14.
 - (51) N-Methylpyrrolidone.
 - (52) 2,2',3,3',4,4',5,5',6,6'-Decabromodiphenyl ether; BDE-209.
 - (53) Perfluorooctanyl sulphonic acid and its salts; PFOS.
 - (54) Phenol, 4-octyl.
 - (55) 2-Ethyl-hexyl-4-methoxycinnamate.
 - (56) Mercury and mercury compounds including methyl mercury (22967-92-6).
 - (57) Molybdenum and molybdenum compounds.
 - (58) Antimony and Antimony compounds.
 - (59) Arsenic and Arsenic compounds, including arsenic trioxide (1327-53-3) and dimethyl arsenic (75-60-5).
 - (60) Cadmium and cadmium compounds.
 - (61) Cobalt and cobalt compounds.
 - (62) Tris(1,3-dichloro-2-propyl)phosphate.
 - (63) Butylated hydroxyanisole; BHA.
 - (64) Hexabromocyclododecane.
 - (65) Diisodecyl phthalate (DIDP).
 - (66) Diisononyl phthalate (DINP).
 - (67) any other chemical designated by the Commissioner as a chemical of high concern to children by rule under section 1776 of this title.
- (b) Beginning on July 1, 2017, and biennially thereafter, the Commissioner of Health shall review the list of chemicals of high concern to children to determine if additional chemicals should be added to the list under subsection 1776(b) of this title. In reviewing the list of chemicals of high concern to children, the Commissioner of Health may consider designations made by

other states, the federal government, other countries, or other governmental agencies.

(c) Publication of list. The Commissioner shall post the list of chemicals of high concern to children on the Department of Health website by chemical name and Chemical Abstracts Service number.

(d) Addition or removal from list. Under 3 V.S.A. § 806, any person may request that the Commissioner add or remove a chemical from the list of chemicals of high concern to children.

(e) PQL value. A PQL value established under this chapter for individual chemicals shall depend on the analytical method used for each chemical. The PQL value shall be based on scientifically defensible, standard analytical methods as advised by guidance published by the Department.

§ 1774. CHEMICALS OF HIGH CONCERN TO CHILDREN WORKING GROUP

(a) Creation. A Chemicals of High Concern to Children Working Group (Working Group) is created within the Department of Health for the purpose of providing the Commissioner of Health advice and recommendations regarding implementation of the requirements of this chapter.

(b) Membership.

(1) The Working Group shall be composed of the following members who, except for ex officio members, shall be appointed by the Governor after consultation with the Commissioner of Health:

(A) the Commissioner of Health or designee, who shall be the chair of the Working Group;

(B) the Commissioner of Environmental Conservation or designee;

(C) the State toxicologist or designee;

(D) a representative of a public interest group in the State with experience in advocating for the regulation of toxic substances;

(E) a representative of an organization within the State with expertise in issues related to the health of children or pregnant women;

(F) ~~two representatives~~ one representative of businesses in the State that use chemicals in a manufacturing or production process or use chemicals that are used in a children's product manufactured in the State;

(G) a scientist with expertise regarding the toxicity of chemicals; and

(H) a representative of the children's products industry with expertise in existing state and national policies impacting children's products.

(2)(A) In addition to the members of the Working Group appointed under subdivision (1) of this subsection, the Governor may appoint up to three additional adjunct members.

(B) An adjunct member appointed under this subdivision (2) shall have expertise or knowledge of the chemical or children's product under review or shall have expertise or knowledge in the potential health effects of the chemical at issue.

(C) Adjunct members appointed under this subdivision (2) shall have the same authority and powers as a member of the Working Group appointed under subdivision (1) of this subsection (b).

(3) The members of the Working Group appointed under subdivision (1) of this subsection shall serve staggered three-year terms. The Governor may remove members of the Working Group who fail to attend three consecutive meetings and may appoint replacements. The Governor may reappoint members to serve more than one term.

(c) Powers and duties. The Working Group shall:

(1) upon the request of the Chair of the Working Group, review proposed chemicals for listing as a chemical of high concern to children under section 1773 of this title; and

(2) recommend to the Commissioner of Health whether rules should be adopted under section 1776 of this title to regulate the sale or distribution of a children's product containing a chemical of high concern to children.

(d) Commissioner of Health recommendation; assistance.

(1) Beginning on July 1, 2017, and biennially thereafter, the Commissioner of Health shall recommend at least two chemicals of high concern to children in children's products for review by the Working Group. The Commissioner's recommendations shall be based on the degree of human health risks, exposure pathways, and impact on sensitive populations presented by a chemical of high concern to children.

(2) The Working Group shall have the administrative, technical, and legal assistance of the Department of Health and the Agency of Natural Resources.

(e) Meetings.

(1) The Chair of the Working Group may convene the Working Group at any time, but no less frequently than at least once every other year.

(2) A majority of the members of the Working Group, including adjunct members when appointed, shall constitute a quorum, and all action shall be taken upon a majority vote of the members present and voting.

(f) Reimbursement. Members of the Working Group, including adjunct members, whose participation is not supported through their employment or association shall receive per diem compensation pursuant to 32 V.S.A. § 1010 and reimbursement of travel expenses. A per diem authorized by this section shall be paid from the budget of the Department of Health.

~~(g) Right of appeal. Individual members of the Working Group and the Working Group as a whole shall have the right to appeal to the Board of Health an act or omission by the Commissioner in the implementation or administration of the requirements of this chapter.~~

§ 1775. DISCLOSURE OF INFORMATION ON CHEMICALS OF HIGH CONCERN

(a) Notice of chemical of high concern to children. Unless the Commissioner adopts by rule a phased-in reporting requirement under section 1776, beginning on July 1, 2015 2016, and biennially thereafter, a manufacturer of a children's product or a trade association representing a manufacturer of children's products shall submit to the Department the notice described in subsection (b) of this section for each chemical of high concern to children in a children's product if a chemical of high concern to children is:

(1) ~~intentionally added to present in~~ intentionally added to a children's product at a level above the POL produced by the manufacturer; or

(2) present in a children's product produced by the manufacturer as a contaminant at a concentration of 100 parts per million or greater.

(b) Format for notice. The Commissioner shall specify the format for submission of the notice required by subsection (a) of this section, provided that the required format shall be generally consistent with the format for submission of notice in other states with requirements substantially similar to the requirements of this section. Any notice submitted under subsection (a) shall contain the following information:

(1) the name of the chemical used or produced and its chemical abstracts service registry number;

(2) a description of the product or product component containing the chemical;

(3) the amount of the chemical contained in each unit of the product or product component, reported by weight or parts per million as authorized by the Commissioner;

(4) the name and address of the manufacturer of the children's product and the name, address, and telephone number of a contact person for the manufacturer;

(5) any other information the manufacturer deems relevant to the appropriate use of the product; and

(6) any other information required by the Commissioner under rules adopted pursuant to 3 V.S.A. chapter 25.

(c) Reciprocal data-sharing. In order for the Department to obtain the information required in the notice described in subsection (b) of this section, the Department may enter into reciprocal data-sharing agreements with other states in which a manufacturer of children's products is also required to disclose information related to chemicals of high concern to children in children's products. The Department shall not disclose trade secret information, confidential business information, or other information designated as confidential by law under a reciprocal data-sharing agreement.

(d) Waiver of format. Upon application of a manufacturer on a form provided by the Department, the Commissioner may waive the requirement under subsection (b) of this section that a manufacturer provide notice in a format specified by the Commissioner. The waiver may be granted, provided that:

(1) the manufacturer submitted the information required in a notice under this section to:

(A) a state with which the Department has entered a reciprocal data-sharing agreement; or

(B) a trade association, the Interstate Chemicals Clearinghouse, a federal governmental agency, or other independent third party;

(2) the information required to be reported in a notice under this section is provided to the Department in an alternate format, including reference to information publicly available in other states or by independent third parties; and

(3) the information required to be reported in a notice under this section is available on or accessible from the Department of Health website.

(e) Chemical control program. A manufacturer shall be exempt from the requirements of notice under this section for any chemical of high concern to children that is present in a children's product or component of a children's product only as a contaminant if, during manufacture of the children's product, the manufacturer was implementing a manufacturing control

program and exercised due diligence to minimize the presence of the contaminant in the children's product.

(f) Notice of removal of chemical. A manufacturer who submitted the notice required by subsection (a) of this section may at any time submit to the Department notice that a chemical of high concern to children has been removed from the manufacturer's children's product or that the manufacturer no longer sells, offers for sale, or distributes in the State the children's product containing the chemical of high concern to children. Upon verification of a manufacturer's notice under this subsection, the Commissioner shall promptly remove from the Department website any reference to the relevant children's product of the manufacturer.

~~(g) Certificate of compliance. A manufacturer required to submit notice under this section to the Commissioner may rely on a certificate of compliance from suppliers for determining reporting obligations.~~

(g) Certificate of compliance. A manufacturer required to submit notice under this section to the Commissioner may rely on a certificate of compliance from suppliers for determining reporting obligations. A certificate of compliance provided by a supplier under this subsection shall be solely for the purpose of compliance with the requirements of this chapter.

~~(h) (g) (h) Products for sale out of State. A manufacturer shall not be required to submit notice under this section for a children's product manufactured, stored in, or transported through Vermont solely for use or sale outside of the State of Vermont.~~

~~(i) (h) (i) Publication of information; disclaimer. The Commissioner shall post on the Department of Health website information submitted under this section by a manufacturer. When the Commissioner posts on the Department of Health website information submitted under this section by a manufacturer, the Commissioner shall provide the following notice:~~

~~"The reports on this website are based on data provided to the Department. The presence of a chemical in a children's product does not necessarily mean that the product is harmful to human health or that there is any violation of existing safety standards or laws. The reporting triggers are not health-based values."~~

~~(j) (i) (j) Fee. A manufacturer shall pay a fee of \$200.00 for each notice required under subsection (a) of this section. If, under subsection (d) of this section, the Commissioner waives the required format for reporting, the fee shall not be waived. Fees collected under this subsection shall be deposited in the Chemicals of High Concern Fund for the purposes of that Fund.~~

~~(j)~~ ~~(j)~~ (k) Application of section. The requirements of this section shall apply unless a manufacturer is exempt or unless notice according to the requirements of this section is specifically preempted by federal law. In the event of conflict between the requirements of this section and federal law, federal law shall control.

§ 1776. RULEMAKING; ADDITIONAL CHEMICALS OF CONCERN TO CHILDREN; PROHIBITION OF SALE

(a) Rulemaking authority. The Commissioner shall, after consultation with the Secretary of Natural Resources, adopt rules as necessary for the purposes of implementing, administering, or enforcing the requirements of this chapter.

(b) Additional chemicals of concern to children. The Commissioner may by rule add additional chemicals to the list of chemicals of high concern to children, provided that the Commissioner of Health, on the basis of the weight of credible, scientific evidence, has determined that a chemical proposed for addition to the list meets both of the following criteria in subdivisions (1) and (2) of this subsection:

(1) The Commissioner of Health has determined that an authoritative governmental entity or accredited research university has demonstrated that the chemical:

(A) harms the normal development of a fetus or child or causes other developmental toxicity;

(B) causes cancer, genetic damage, or reproductive harm;

(C) disrupts the endocrine system;

(D) damages the nervous system, immune system, or organs or causes other systemic toxicity; or

(E) is a persistent bioaccumulative toxic.

(2) The chemical has been found through:

(A) biomonitoring to be present in human blood, umbilical cord blood, breast milk, urine, or other bodily tissues or fluids;

(B) sampling and analysis to be present in household dust, indoor air, drinking water, or elsewhere in the home environment; or

(C) monitoring to be present in fish, wildlife, or the natural environment.

(c) Removal of chemical from list. The Commissioner may by rule remove a chemical from the list of chemicals of high concern to children established under section 1773 of this title or rules adopted under this section if the

Commissioner determines that the chemical no longer meets both of the criteria of subdivisions (b)(1) and (2) of this section.

(d) Rule to regulate sale or distribution.

~~(1) The Commissioner, upon the recommendation of the Chemicals of High Concern to Children Working Group, may adopt a rule to regulate the sale or distribution of a children's product containing a chemical of high concern to children upon a determination that~~ The Commissioner, upon the recommendation of the Chemicals of High Concern to Children Working Group, may adopt a rule to regulate the sale or distribution of a children's product containing a chemical of high concern to children upon a determination that:

(A) children will be exposed to a chemical of high concern to children in the children's product; and

(B) there is a probability that, due to the degree of exposure or frequency of exposure of a child to a chemical of high concern to children in a children's product, exposure could cause or contribute to one or more of the adverse health impacts listed under subdivision (b)(1) of this section.

(2) In determining whether children will be exposed to a chemical of high concern in a children's product, the Commissioner shall review available, credible information regarding ~~one or more of the following~~:

(A) the market presence of the children's product in the State;

(B) the type or occurrence of exposures to the relevant chemical of high concern to children in the children's product;

(C) the household and workplace presence of the children's product;
or

(D) the potential and frequency of exposure of children to the chemical of high concern to children in the children's product.

(3) A rule adopted under this section may:

(A) prohibit the children's product containing the chemical of high concern to children from sale, offer for sale, or distribution in the State; or

(B) require that the children's product containing the chemical of high concern to children be labeled prior to sale, offer for sale, or distribution in the State.

(4) In any rule adopted under this subsection, the Commissioner shall adopt reasonable time frames for manufacturers, distributors, and retailers to comply with the requirements of the rules. No prohibition on sale or manufacture of a children's product in the State shall take effect sooner than

two years after the adoption of a rule adopted under this section unless the Commissioner determines that an earlier effective date is required to protect human health and the new effective date is established by rule.

(e) Exemption for chemical management strategy. In adopting a rule under this section, the Commissioner may exempt from regulation a children's product containing a chemical of high concern to children if the manufacturer of the children's product is implementing a comprehensive chemical management strategy designed to eliminate harmful substances or chemicals from the manufacturing process.

(f) Additional rules.

(1) On or before July 1, 2017, the Commissioner of Health shall adopt by rule the process and procedure to be required when the Commissioner of Health adopts a rule under ~~subsection (b) or (c)~~ subsection (b), (c), or (d) of this section. ~~The rule shall provide all relevant criteria for evaluation of the chemical, time frames for labeling or phasing out sale or distribution, and other information or process determined as necessary by the Commissioner for implementation of this chapter.~~ The rule shall provide:

(A) all relevant criteria for evaluation of the chemical;

(B) criteria by which a chemical, due to its presence in the environment or risk of harm, shall be prioritized for addition or removal from the list of chemicals of high concern to children or for regulation under subsection (d) of this section;

(C) time frames for labeling or phasing out sale or distribution; and

(D) other information or process determined as necessary by the Commissioner for implementation of this chapter.

(2) The Commissioner may, by rule, authorize a manufacturer to report ranges of the amount of a chemical in a children's product, rather than the exact amount, provided that if there are multiple chemical values for a given component in a particular product category, the manufacturer shall use the largest value for reporting.

(3) Notwithstanding the required reporting dates under section 1774 of this title, the Commissioner may adopt by rule phased-in reporting requirements for chemicals of high concern to children in children's products based on the size of the manufacturer, aggregate sales of children's products, or the exposure profile of the chemical of high concern to children in the children's product.

(g) Additional public participation. In addition to the public participation requirements of 3 V.S.A. chapter 25 and prior to submitting a rule authorized under this section to the Secretary of State under 3 V.S.A. § 838, the Commissioner shall make reasonable efforts to consult with interested parties within the State regarding any proposed prohibition of a chemical of high concern to children. The Commissioner may satisfy the consultation requirement of this section through the use of one or more workshops, focused work groups, dockets, meetings, or other forms of communication.

§ 1777. CHEMICALS OF HIGH CONCERN TO CHILDREN FUND

(a) The Chemicals of High Concern to Children Fund is established in the State Treasury, separate and distinct from the General Fund, to be administered by the Commissioner of Health. Interest earned by the Fund shall be credited to the Fund. Monies in the Fund shall be made available to the Department of Health and the Agency of Natural Resources to pay costs incurred in administration of the requirements of this chapter.

(b) The Chemicals of High Concern to Children Fund shall consist of:

(1) fees and charges collected under section 1775 of this chapter;

(2) private gifts, bequests, grants, or donations made to the State from any public or private source for the purposes for which the Fund was established; and

(3) such sums as may be appropriated by the General Assembly.

§ 1778. CONFIDENTIALITY

Information submitted to or acquired by the Department or the Chemicals of High Concern to Children Working Group under this chapter may be subject to public inspection or copying or may be published on the Department website, provided that trade secret information and confidential business information shall be exempt from public inspection and copying under 1 V.S.A. § 317(c)(9) and information otherwise designated confidential by law shall be exempt from public inspection and copying under 1 V.S.A. § 317(c)(1). It shall be the burden of the manufacturer to assert that information submitted under this chapter is a trade secret, confidential business information, or is otherwise designated confidential by law. When a manufacturer asserts under this section that the specific identity of a chemical of high concern to children in a children's product is a trade secret, the Commissioner shall, in place of the specific chemical identity, post on the Department's website the generic class or category of the chemical in the children's product and the potential health effect of the specific chemical of high concern to children. ~~The Commissioner may publish information submitted or acquired under this chapter that is designated a trade secret, confidential business information, or otherwise~~

~~confidential by law in a summary or aggregate form, provided that any published information shall not directly or indirectly identify an individual manufacturer or a business advantage of an individual manufacturer.~~

§ 1779. VIOLATIONS; ENFORCEMENT

A violation of this chapter shall be considered a violation of the Consumer Protection Act in 9 V.S.A. chapter 63. The Attorney General has the same authority to make rules, conduct civil investigations, enter into assurances of discontinuance, and bring civil actions under 9 V.S.A. chapter 63, subchapter 1. Private parties shall not have a private right of action under this chapter.

Sec. 3. REPORT TO GENERAL ASSEMBLY; CHEMICALS OF HIGH CONCERN TO CHILDREN

On or before January 15, 2015, and biennially thereafter, the Commissioner of Health, after consultation with the Secretary of Natural Resources, shall submit to the Senate Committee on Health and Welfare, the House Committee on Human Services, the House Committee on Ways and Means, the Senate Committee on Finance, and the Senate and House Committees on Appropriations, a report concerning implementation, administration, and financing by the Department of Health of the requirements of 18 V.S.A. chapter 38A regarding the chemicals of high concern to children. The report shall include:

(1) Any updates to the list of chemicals of high concern to children required under 18 V.S.A. § 1773.

(2) The number of manufacturers providing notice under 18 V.S.A. § 1775 regarding whether a children's product includes a chemical of high concern to children.

(3) The number of chemicals of high concern to children for which manufacturers asserted trade secret protection for the specific identity of the chemical, and a recommendation of whether a process should be established to review the validity of asserted trade secrets.

(4) An estimate of the annual cost to the Department of Health to implement the chemicals of high concern to children program.

(5) The number of Department of Health employees needed to implement the chemicals of high concern to children program.

(6) An estimate of additional funding that the Department may require to implement the chemicals of high concern to children program.

(7) A recommendation of how the State should collaborate with other states in implementing the requirements of the chemicals of high concern to children program.

(8) A recommendation as to whether the requirements of this chapter should be expanded to consumer products other than children's products.

~~Sec. 4. 7 V.S.A. § 1012 is added to read.~~

~~§ 1012. LIQUID NICOTINE; PACKAGING~~

~~(a) As used in this section, "liquid nicotine container" means a bottle or other container that contains liquid nicotine or other substance containing nicotine, where the liquid or other substance is sold, marketed, or intended for use in an electronic delivery device.~~

~~(b) Unless specifically preempted by federal law, a liquid nicotine container that is sold at retail in the State shall satisfy the child-resistant effectiveness standards under 16 C.F.R. § 1700.15(b)(1) when tested in accordance with the requirements of 16 C.F.R. § 1700.20.~~

~~Sec. 5. EFFECTIVE DATES~~

~~(a) Secs. 1–3 and this section shall take effect on passage.~~

~~(b) Sec. 4 (liquid nicotine; packaging) shall take effect on January 1, 2015.~~

~~Sec. 4. EFFECTIVE DATE~~

~~This act shall take effect on passage.~~