

1 S.81

2 Introduced by Senators Lyons, Ashe, Campbell, Fox, Galbraith, MacDonald,

3 McCormack, Mullin, Pollina, and Zuckerman

4 Referred to Committee on Health and Welfare

5 Date: February 6, 2013

6 Subject: Public health; consumer affairs; flame retardants; prohibition of use in  
7 certain consumer products

8 Statement of purpose of bill as introduced: This bill proposes to prohibit the  
9 manufacture, distribution, sale, and use of certain consumer products  
10 containing octaBDE, pentaBDE, decaBDE, and forms of the flame retardant  
11 known as Tris, which are harmful to human health.

12 ~~An act relating to the regulation of octaBDE, pentaBDE, decaBDE, and~~  
13 ~~flame retardant known as Tris in consumer products~~

*An act relating to the regulation of octaBDE, pentaBDE, decaBDE, and the  
flame retardant known as Tris in consumer products*

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

15 ~~Sec. 1. 9 V.S.A. chapter 80 is amended to read:~~

16 CHAPTER 80. FLAME RETARDANTS

17 § 2971. ~~BROMINATED FLAME RETARDANTS~~

18 ~~(a) As used in this section:~~

1 ~~(1) "Brominated flame retardant" means any chemical containing the~~  
2 ~~element bromine that is added to plastic, foam, or textile to inhibit flame~~  
3 ~~formation.~~

4 ~~(2) "Congener" means a specific PBDE molecule.~~

5 ~~(3) "DecaBDE" means decabromodiphenyl ether or any technical~~  
6 ~~mixture in which decabromodiphenyl ether is a congener.~~

7 ~~(4) "Flame retardant" means any chemical that is added to a plastic,~~  
8 ~~foam, or textile to inhibit flame formation.~~

9 ~~(5) "Manufacturer" means any person who manufactures a final product~~  
10 ~~containing a regulated brominated flame retardant or any person whose brand-~~  
11 ~~name is affixed to a product containing a regulated brominated flame retardant.~~

12 ~~(6) "Motor vehicle" means every vehicle intended primarily for use and~~  
13 ~~operation on the public highways, and shall include farm tractors and other~~  
14 ~~machinery used in the production, harvesting, and care of farm products.~~

15 ~~(7) "OctaBDE" means octabromodiphenyl ether or any technical~~  
16 ~~mixture in which octabromodiphenyl ether is a congener.~~

17 ~~(8) "PentaBDE" means pentabromodiphenyl ether or any technical~~  
18 ~~mixture in which a pentabromodiphenyl ether is a congener.~~

19 ~~(9) "PBDE" means polybrominated diphenyl ether.~~

1 ~~(10) "Technical mixture" means a PBDE mixture that is sold to a~~  
2 ~~manufacturer. A technical mixture is named for the predominant congener in~~  
3 ~~the mixture, but is not exclusively made up of that congener.~~

4 ~~(b) As of July 1, 2010, no person may offer for sale, distribute for sale,~~  
5 ~~distribute for promotional purposes, or knowingly sell at retail a product~~  
6 ~~containing octaBDE or pentaBDE in a concentration greater than 0.1 percent~~  
7 ~~by weight.~~

8 ~~(c) Except for inventory purchased prior to July 1, 2009, a person may not,~~  
9 ~~as of July 1, 2010, manufacture, offer for sale, distribute for sale, or knowingly~~  
10 ~~sell at retail the following products containing decaBDE in a concentration~~  
11 ~~greater than 0.1 percent by weight:~~

12 ~~(1) A mattress or mattress pad; or~~

13 ~~(2) Upholstered furniture.~~

14 ~~(d) Except for inventory purchased prior to July 1, 2009, a person may not,~~  
15 ~~as of July 1, 2012, manufacture, offer for sale, distribute for sale, or knowingly~~  
16 ~~sell at retail a television or computer with a plastic housing containing~~  
17 ~~decaBDE in a concentration greater than 0.1 percent by weight.~~

18 ~~(e) This section shall not apply to:~~

19 ~~(1) the sale or resale of used products; or~~

20 ~~(2) motor vehicles or parts for use on motor vehicles.~~

1 ~~(f) As of July 1, 2010, a manufacturer of a product that contains decaBDE~~  
2 ~~and that is prohibited under subsection (c) or (d) of this section shall notify~~  
3 ~~persons that sell the manufacturer's product of the requirements of this section.~~

4 ~~(g) A manufacturer shall not replace decaBDE, pursuant to this section,~~  
5 ~~with a chemical that is:~~

6 ~~(1) Classified as "known to be a human carcinogen" or "reasonably~~  
7 ~~anticipated to be a human carcinogen" in the most recent report on carcinogens~~  
8 ~~by the National Toxicology Program in the U.S. Department of Health and~~  
9 ~~Human Services;~~

10 ~~(2) Classified as "carcinogenic to humans" or "likely to be carcinogenic~~  
11 ~~to humans" in the U.S. Environmental Protection Agency's most recent list of~~  
12 ~~chemicals evaluated for carcinogenic potential; or~~

13 ~~(3) Identified by the U.S. Environmental Protection Agency as causing~~  
14 ~~birth defects, hormone disruption, or harm to reproduction or development.~~

15 ~~(h) A violation of this section shall be deemed a violation of the Consumer~~  
16 ~~Protection Act, chapter 63 of this title. The attorney general has the same~~  
17 ~~authority to make rules, conduct civil investigations, enter into assurances of~~  
18 ~~discontinuance, and bring civil actions, and private parties have the same rights~~  
19 ~~and remedies as provided under subchapter 1 of chapter 63 of this title.~~

20 ~~(i) In addition to any other remedies and procedures authorized by this~~  
21 ~~section, the attorney general may request a manufacturer of upholstered~~

~~furniture, mattresses, mattress pads, computers, or televisions offered for sale  
or distributed for sale in this state to provide the attorney general with a  
certificate of compliance with this section with respect to such products.  
Within 30 days of receipt of the request for a certificate of compliance, the  
manufacturer shall:~~

- ~~(1) Provide the attorney general with a certificate declaring that its  
product complies with the requirements of this section; or~~
- ~~(2) Notify persons who sell in this state a product of the manufacturer's  
which does not comply with this section that sale of the product is prohibited,  
and submit to the attorney general a list of the names and addresses of those  
notified.~~

~~(j) The attorney general shall consult with retailers and retailer associations  
in order to assist retailers in complying with the requirements of this section.~~

§ 2972. DEFINITIONS

(a) As used in this chapter:

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

(2) "Brominated flame retardant" means any chemical containing the  
element bromine that is added to plastic, foam, or textile to inhibit flame  
formation.

(3) "Children's product" means a consumer product:

~~(A) marketed for use by children under 12 years of age; or~~

1 ~~(B) the substantial use of which by a child under 12 years of age is~~  
2 reasonably foreseeable.

3 (4) "Congener" means a specific PBDE molecule.

4 (5) "DecaBDE" means decabromodiphenyl ether or any technical  
5 mixture in which decabromodiphenyl ether is a congener.

6 (6) "Flame retardant" means any chemical that is added to a plastic,  
7 foam, or textile to inhibit flame formation.

8 (7) "Manufacturer" means any person:

9 (A) who manufactures a final product containing a flame retardant  
10 regulated under this chapter; or

11 (B) whose brand name is affixed to a final product containing a flame  
12 retardant regulated under this chapter.

13 (8) "Motor vehicle" means every vehicle intended primarily for use and  
14 operation on the public highways and shall include farm tractors and other  
15 machinery used in the production, harvesting, and care of farm products.

16 (9) "OctaBDE" means octabromodiphenyl ether or any technical  
17 mixture in which octabromodiphenyl ether is a congener.

18 (10) "PentaBDE" means pentabromodiphenyl ether or any technical  
19 mixture in which pentabromodiphenyl ether is a congener.

20 ~~(11) "PBDE" means polybrominated diphenyl ether.~~

1 ~~(12) "Residential upholstered furniture" means furniture intended for~~  
2 ~~personal use that includes cushioning material covered by fabric or similar~~  
3 ~~material.~~

4 ~~(13) "Technical mixture" means a PBDE mixture that is sold to a~~  
5 ~~manufacturer. A technical mixture is named for the predominant congener in~~  
6 ~~the mixture but is not exclusively made up of that congener.~~

7 ~~(14) "Tris" means tris(1,3-dichloro-2-propyl) phosphate (TDCPP),~~  
8 ~~chemical abstracts service number 13674-87-8 (as of the effective date of this~~  
9 ~~section); tris(2-chloroethyl) phosphate (TCEP), chemical abstracts service~~  
10 ~~number 115-96-8 (as of the effective date of this section); or tris(2-chloro-1-~~  
11 ~~methylethyl) phosphate (TCPP) chemical abstracts service number 13674-84-~~  
12 ~~5, (as of the effective date of this section).~~

13 ~~§ 2973. BROMINATED FLAME RETARDANTS; PROHIBITION~~

14 ~~(a) As of July 1, 2010, no person may offer for sale, distribute for sale,~~  
15 ~~distribute for promotional purposes, or knowingly sell at retail a product~~  
16 ~~containing octaBDE or pentaBDE in a concentration greater than 0.1 percent~~  
17 ~~by weight.~~

18 ~~(b) Except for inventory purchased prior to July 1, 2009, a person may not,~~  
19 ~~as of July 1, 2010, manufacture, offer for sale, distribute for sale, or knowingly~~  
20 ~~sell at retail the following products containing decaBDE in a concentration~~  
21 ~~greater than 0.1 percent by weight:~~

1 ~~(1) a mattress or mattress pad; or~~

2 ~~(2) upholstered furniture.~~

3 ~~(c) Except for inventory purchased prior to July 1, 2009, a person may not,~~  
4 ~~as of July 1, 2012, manufacture, offer for sale, distribute for sale, or knowingly~~  
5 ~~sell at retail a television or computer with a plastic housing containing~~  
6 ~~decaBDE in a concentration greater than 0.1 percent by weight.~~

7 ~~(d) As of July 1, 2013, no person may manufacture, sell or offer for sale, or~~  
8 ~~distribute for sale or use in the State plastic shipping pallets or any products~~  
9 ~~made from recycled shipping pallets that contain decaBDE in a concentration~~  
10 ~~greater than 0.1 percent by weight.~~

11 § 2974. CHLORINATED FLAME RETARDANTS

12 ~~(a) Except for inventory purchased prior to July 1, 2013, no person other~~  
13 ~~than a retailer may, as of July 1, 2013, manufacture, offer for sale, distribute~~  
14 ~~for sale, or knowingly sell, in or into this State any children's product or~~  
15 ~~residential upholstered furniture that contains Tris in any product component in~~  
16 ~~an amount greater than 50 parts per million.~~

17 ~~(b) A retailer may not, as of July 1, 2014, knowingly sell or offer for sale in~~  
18 ~~or into this State any children's product or residential upholstered furniture~~  
19 ~~containing Tris in any product component in an amount greater than 50 parts~~  
20 ~~per million.~~



~~§ 2975. NOTICE TO RETAILERS; DISCLOSURE OF PRODUCT~~

CONTENT; CONSULTATION

~~(a) As of July 1, 2010, a manufacturer of a product that contains decaBDE and that is prohibited under subsection 2973(c) or (d) of this chapter shall notify persons that sell the manufacturer's product of the requirements of this chapter.~~

~~(b) As of July 1, 2013, a manufacturer of a product that contains Tris and that is prohibited under subsection 2974(a) or (b) of this chapter shall notify persons that sell the manufacturer's product of the requirements of this chapter.~~

~~(c) The Attorney General shall consult with retailers and retailer associations to assist retailers in complying with the requirements of this chapter.~~

~~§ 2976. REPLACEMENT OF REGULATED FLAME RETARDANTS~~

~~A manufacturer shall not replace decaBDE or Tris with a chemical that is:~~

~~(1) classified as "known to be a human carcinogen" or "reasonably anticipated to be a human carcinogen" in the most recent report on carcinogens by the National Toxicology Program in the U.S. Department of Health and Human Services;~~

~~(2) classified as "carcinogenic to humans" or "likely to be carcinogenic to humans" in the U.S. Environmental Protection Agency's most recent list of chemicals evaluated for carcinogenic potential; or~~

1 ~~(3) identified by the U.S. Environmental Protection Agency as causing~~  
2 birth defects, hormone disruption, or harm to reproduction or development.

3 § 2977. EXEMPTIONS

4 The requirements and prohibitions of this chapter shall not apply to:

5 (1) the sale or resale of used products; or

6 (2) motor vehicles or parts for use on motor vehicles.

7 § 2978. VIOLATIONS; ENFORCEMENT

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

13 § 2979. PRODUCTION OF INFORMATION

14 In addition to any other remedies and procedures authorized by this chapter,  
15 the Attorney General may request a manufacturer of upholstered furniture,  
16 mattresses, mattress pads, computers, televisions, children's products, or  
17 residential upholstered furniture offered for sale or distributed for sale in this  
18 State to provide the Attorney General with a certificate of compliance with this  
19 chapter with respect to such products. Within 30 days of receipt of the request  
20 ~~for a certificate of compliance, the manufacturer shall:~~

1 ~~(1) provide the Attorney General with a certificate declaring that its~~  
2 ~~product complies with the requirements of this section; or~~

3 ~~(2) notify persons who sell in this State a product of the manufacturer's~~  
4 ~~which does not comply with this section that sale of the product is prohibited~~  
5 ~~and submit to the Attorney General a list of the names and addresses of those~~  
6 ~~notified.~~

7 Sec. 2. EFFECTIVE DATE

8 ~~This act shall take effect on July 1, 2013.~~

~~Sec. 1. 9 V.S.A. chapter 80 is amended to read:~~

~~CHAPTER 80. FLAME RETARDANTS~~

~~§ 2971. BROMINATED FLAME RETARDANTS~~

~~(a) As used in this section:~~

~~(1) "Brominated flame retardant" means any chemical containing the element bromine that is added to plastic, foam, or textile to inhibit flame formation.~~

~~(2) "Congener" means a specific PBDE molecule.~~

~~(3) "DecaBDE" means decabromodiphenyl ether or any technical mixture in which decabromodiphenyl ether is a congener.~~

~~(4) "Flame retardant" means any chemical that is added to a plastic, foam, or textile to inhibit flame formation.~~

~~(5) "Manufacturer" means any person who manufactures a final product containing a regulated brominated flame retardant or any person whose brand name is affixed to a product containing a regulated brominated flame retardant.~~

~~(6) "Motor vehicle" means every vehicle intended primarily for use and operation on the public highways, and shall include farm tractors and other machinery used in the production, harvesting, and care of farm products.~~

~~(7) "OctaBDE" means octabromodiphenyl ether or any technical mixture in which octabromodiphenyl ether is a congener.~~

~~(8) "PentaBDE" means pentabromodiphenyl ether or any technical mixture in which a pentabromodiphenyl ether is a congener.~~

~~(9) "PBDE" means polybrominated diphenyl ether.~~

~~(10) "Technical mixture" means a PBDE mixture that is sold to a manufacturer. A technical mixture is named for the predominant congener in the mixture, but is not exclusively made up of that congener.~~

~~(b) As of July 1, 2010, no person may offer for sale, distribute for sale, distribute for promotional purposes, or knowingly sell at retail a product containing octaBDE or pentaBDE in a concentration greater than 0.1 percent by weight.~~

~~(c) Except for inventory purchased prior to July 1, 2009, a person may not, as of July 1, 2010, manufacture, offer for sale, distribute for sale, or knowingly sell at retail the following products containing decaBDE in a concentration greater than 0.1 percent by weight:~~

~~(1) A mattress or mattress pad; or~~

~~(2) Upholstered furniture.~~

~~(d) Except for inventory purchased prior to July 1, 2009, a person may not, as of July 1, 2012, manufacture, offer for sale, distribute for sale, or knowingly sell at retail a television or computer with a plastic housing containing decaBDE in a concentration greater than 0.1 percent by weight.~~

~~(e) This section shall not apply to:~~

~~(1) the sale or resale of used products; or~~

~~(2) motor vehicles or parts for use on motor vehicles.~~

~~(f) As of July 1, 2010, a manufacturer of a product that contains decaBDE and that is prohibited under subsection (c) or (d) of this section shall notify persons that sell the manufacturer's product of the requirements of this section.~~

~~(g) A manufacturer shall not replace decaBDE, pursuant to this section, with a chemical that is:~~

~~(1) Classified as "known to be a human carcinogen" or "reasonably anticipated to be a human carcinogen" in the most recent report on carcinogens by the National Toxicology Program in the U.S. Department of Health and Human Services;~~

~~(2) Classified as "carcinogenic to humans" or "likely to be carcinogenic to humans" in the U.S. Environmental Protection Agency's most recent list of chemicals evaluated for carcinogenic potential; or~~

~~(3) Identified by the U.S. Environmental Protection Agency as causing birth defects, hormone disruption, or harm to reproduction or development.~~

~~(h) A violation of this section shall be deemed a violation of the Consumer Protection Act, chapter 63 of this title. The attorney general has the same authority to make rules, conduct civil investigations, enter into assurances of discontinuance, and bring civil actions, and private parties have the same rights and remedies as provided under subchapter 1 of chapter 63 of this title.~~

~~(i) In addition to any other remedies and procedures authorized by this section, the attorney general may request a manufacturer of upholstered furniture, mattresses, mattress pads, computers, or televisions offered for sale or distributed for sale in this state to provide the attorney general with a certificate of compliance with this section with respect to such products. Within 30 days of receipt of the request for a certificate of compliance, the manufacturer shall:~~

~~(1) Provide the attorney general with a certificate declaring that its product complies with the requirements of this section; or~~

~~(2) Notify persons who sell in this state a product of the manufacturer's which does not comply with this section that sale of the product is prohibited, and submit to the attorney general a list of the names and addresses of those notified.~~

~~(j) The attorney general shall consult with retailers and retailer associations in order to assist retailers in complying with the requirements of this section. [Repealed.]~~

#### § 2972. DEFINITIONS

(a) As used in this chapter:

(1) "Article" means an object that during production is given a special shape, surface, or design which determines its function, to a greater degree than its chemical composition.

(2) "Brominated flame retardant" means any chemical containing the element bromine that is added to plastic, foam, or textile to inhibit flame formation.

(3) "Children's product" means a consumer product:

(A) marketed for use by children under 12 years of age; or

(B) the substantial use of which by a child under 12 years of age is reasonably foreseeable.

~~(4) "Congener" means a specific PBDE molecule.~~

~~(5) "DecaBDE" means decabromodiphenyl ether or any technical mixture in which decabromodiphenyl ether is a congener.~~

~~(6) "Flame retardant" means any chemical that is added to a plastic, foam, or textile to inhibit flame formation.~~

~~(7) "Manufacturer" means any person:~~

~~(A) who manufactures a final product containing a flame retardant regulated under this chapter; or~~

~~(B) whose brand name is affixed to a final product containing a flame retardant regulated under this chapter.~~

~~(8) "Motor vehicle" means every vehicle intended primarily for use and operation on the public highways and shall include farm tractors and other machinery used in the production, harvesting, and care of farm products.~~

~~(9) "OctaBDE" means octabromodiphenyl ether or any technical mixture in which octabromodiphenyl ether is a congener.~~

~~(10) "PentaBDE" means pentabromodiphenyl ether or any technical mixture in which pentabromodiphenyl ether is a congener.~~

~~(11) "PBDE" means polybrominated diphenyl ether.~~

~~(12) "Residential upholstered furniture" means furniture intended for personal use that includes cushioning material covered by fabric or similar material.~~

~~(13) "Technical mixture" means a PBDE mixture that is sold to a manufacturer. A technical mixture is named for the predominant congener in the mixture but is not exclusively made up of that congener.~~

~~(14) "Tris" means tris(1,3-dichloro-2-propyl) phosphate (TDCPP), chemical abstracts service number 13674-87-8 (as of the effective date of this section); and tris(2-chloroethyl) phosphate (TCEP), chemical abstracts service number 115-96-8 (as of the effective date of this section); or tris(2-chloro-1-methylethyl) phosphate (TCPP), chemical abstracts service number 13674-84-5, (as of the effective date of this section).~~

#### ~~§ 2973. BROMINATED FLAME RETARDANTS; PROHIBITION~~

~~(a) As of July 1, 2010, no person may offer for sale, distribute for sale, distribute for promotional purposes, or knowingly sell at retail a product containing octaBDE or pentaBDE in a concentration greater than 0.1 percent by weight.~~

~~(b) Except for inventory purchased prior to July 1, 2009, a person may not, as of July 1, 2010, manufacture, offer for sale, distribute for sale, or knowingly~~

~~sell at retail the following products containing decaBDE in a concentration greater than 0.1 percent by weight:~~

~~(1) a mattress or mattress pad; or~~

~~(2) upholstered furniture.~~

~~(c) Except for inventory purchased prior to July 1, 2009, a person may not, as of July 1, 2012, manufacture, offer for sale, distribute for sale, or knowingly sell at retail a television or computer with a plastic housing containing decaBDE in a concentration greater than 0.1 percent by weight.~~

~~(d)(1) Except as provided in subdivision (2) of this subsection, beginning July 1, 2013, no person may manufacture, sell or offer for sale, or distribute for sale or use in the State plastic shipping pallets that contain decaBDE in a concentration greater than 0.1 percent by weight.~~

~~(2) Subdivision (1) of this subsection shall not apply to the sale, lease, distribution, or use in the State of:~~

~~(A) plastic shipping pallets manufactured prior to January 1, 2011;~~

~~or~~

~~(B) plastic shipping pallets manufactured from recycled shipping pallets that contain decaBDE in a concentration that is no greater than the concentration of decaBDE in the recycled pallets from which the plastic pallets were manufactured.~~

~~§ 2974. CHLORINATED FLAME RETARDANTS~~

~~(a) Except for inventory manufactured prior to January 1, 2014, no person, other than a retailer, shall, as of January 1, 2014, manufacture, offer for sale, distribute for sale, or knowingly sell in or into this State any children's product or residential upholstered furniture that contains Tris in any product component in an amount greater than 50 1,000 parts per million.~~

~~(b) A retailer shall not, as of July 1, 2014, knowingly sell or offer for sale in or into this State any children's product or residential upholstered furniture containing Tris in any product component in an amount greater than 50 1,000 parts per million.~~

~~§ 2974. CHLORINATED FLAME RETARDANTS~~

~~(a) Except for inventory manufactured prior to January 1, 2014, no person, other than a retailer, shall, as of January 1, 2014, manufacture, offer for sale, distribute for sale, or knowingly sell in or into this State any children's product or residential upholstered furniture that contains Tris in any product component in an amount greater than 1,000 parts per million.~~

~~(b) A retailer shall not, as of July 1, 2014, knowingly sell or offer for sale in or into this State any children's product or residential upholstered furniture containing Tris in any product component in an amount greater than 1,000 parts per million.~~

~~(c)(1) Notwithstanding the requirements of subsections (a) and (b) of this section, the 1,000-parts-per-million threshold for Tris shall be applied to an individual article and not to individual product components for the following:~~

~~(A) personal computers, audio and video equipment, calculators, wireless telephones, game consoles, handheld devices incorporating a screen that are used to access interactive software and their associated peripherals, and cable and other similar connecting devices; and~~

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

~~(2) In applying the requirements of the 1,000-parts-per-million threshold for Tris to an individual article under this subsection, the Attorney General shall interpret what constitutes an "article" in a manner that is consistent with industry practices and guidance, including the European Union's Registration, Evaluation, and Restriction on Chemical Substances regulation, known as "REACH", Regulation (EC) Number 1907/2006, Art. 3(3).~~

~~§ 2975. NOTICE TO RETAILERS; DISCLOSURE OF PRODUCT CONTENT; CONSULTATION~~

~~(a) As of July 1, 2010, a manufacturer of a product that contains decaBDE and that is prohibited under subsection 2973(c) or (d) of this chapter shall notify persons that sell the manufacturer's product of the requirements of this chapter.~~

~~(b) As of July 1, 2013, a manufacturer of a product that contains Tris and that is prohibited under subsection 2974(a) or (b) of this chapter shall notify persons that sell the manufacturer's product of the requirements of this chapter.~~

~~(c) As of March 31, 2014, a person other than a retailer who, since July 1, 2010 2013, has manufactured, distributed, or sold in or into this State any product containing Tris that is prohibited under subsection 2974(a) or (b) of this chapter shall notify persons who sell the manufacturer's product of the fact that the product sold to the person selling the manufacturer's product contains Tris. The notification shall be sent by mail and shall notify the person selling the manufacturer's product of the concentration of Tris in the product sold in parts per million of each product component.~~



~~(d) The Attorney General shall consult with retailers and retailer associations to assist retailers in complying with the requirements of this chapter.~~

~~§ 2976. REPLACEMENT OF REGULATED FLAME RETARDANTS~~

~~A manufacturer shall not replace decaBDE or Tris with a chemical that is:~~

~~(1) classified as “known to be a human carcinogen” or “reasonably anticipated to be a human carcinogen” in the most recent report on carcinogens by the National Toxicology Program in the U.S. Department of Health and Human Services;~~

~~(2) classified as “carcinogenic to humans” or “likely to be carcinogenic to humans” in the U.S. Environmental Protection Agency’s most recent list of chemicals evaluated for carcinogenic potential; or~~

~~(3) identified by the U.S. Environmental Protection Agency as causing birth defects, hormone disruption, or harm to reproduction or development.~~

~~§ 2977. EXEMPTIONS~~

~~The requirements and prohibitions of this chapter shall not apply to:~~

~~(1) the sale or resale of used products;~~

~~(2) motor vehicles or parts for use on motor vehicles;~~

~~(3) building insulation materials;~~

~~(4) internal components of personal computers, audio and video equipment, calculators, wireless phones, game consoles, handheld devices incorporating a screen that are used to access interactive software and their associated peripherals, and cables and other similar connecting devices; or~~

~~(5) interactive software intended for leisure and entertainment, such as computer games, and their storage media, such as compact disks.~~

~~§ 2977. EXEMPTIONS~~

~~(a) The requirements and prohibitions of this chapter shall not apply to:~~

~~(1) the sale or resale of used products;~~

~~(2) motor vehicles or parts for use on motor vehicles; and~~

~~(3) building insulation materials.~~

~~(b) The requirements and prohibitions of this chapter regarding the use of tris(2-chloro-1-methylethyl) phosphate (TCPP), chemical abstracts service number 13674-84-5, shall not apply to:~~

~~(1) personal computers, audio and video equipment, calculators, wireless phones, game consoles, handheld devices incorporating a screen that are used to access interactive software and their associated peripherals, and cables and other similar connecting devices; or~~

~~(2) interactive software intended for leisure and entertainment, such as computer games, and their storage media, such as compact disks.~~

§ 2977. EXEMPTIONS

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

- (1) the sale or resale of used products;
- (2) motor vehicles or parts for use on motor vehicles; and
- (3) building insulation materials.

§ 2978. VIOLATIONS; ENFORCEMENT

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

§ 2979. PRODUCTION OF INFORMATION

In addition to any other remedies and procedures authorized by this chapter, the Attorney General may request a manufacturer of upholstered furniture, mattresses, mattress pads, computers, televisions, children's products, or residential upholstered furniture offered for sale or distributed for sale in this State to provide the Attorney General with a certificate of compliance with this chapter with respect to such products. Within 30 days of receipt of the request for a certificate of compliance, the manufacturer shall:

- (1) provide the Attorney General with a certificate declaring that its product complies with the requirements of this chapter; or
- (2) notify persons who sell in this State a product of the manufacturer's which does not comply with this chapter that sale of the product is prohibited and submit to the Attorney General a list of the names and addresses of those notified.

§ 2980. DEPARTMENT OF HEALTH RULEMAKING; TCPP

(a) The Commissioner of Health may adopt by rule:

- (1) a prohibition on the manufacture, offer for sale, distribution for sale, or knowing sale at retail in or into the State of the flame retardant tris(2-chloro-1-methylethyl) phosphate (TCPP) if the Commissioner of Health

~~determines, based on the weight of available, scientific studies, that the toxicity of TCPP and its potential exposure pathways pose a hazard to human health; and~~

~~(2) exemptions from a prohibition adopted under subdivision (1) of this subsection.~~

~~(b) A violation of a prohibition or requirement adopted by rule under this section shall be enforceable by the Attorney General under section 2978 of this title as a violation of this chapter.~~

~~(c) 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 of Health shall consult with interested parties within the State regarding a proposed prohibition on the manufacture, offer for sale, distribution for sale, or knowing sale at retail in the State of the flame retardant TCPP. The Commissioner of Health may satisfy the consultation requirement of this section through the use of workshops, focused work groups, dockets, meetings, or other forms of communication.~~

~~(d) A rule proposed by the Commissioner of Health under this section shall go into effect one calendar year after the Commissioner of Health files an adopted rule under 3 V.S.A. § 843.~~

~~Sec. 2. EFFECTIVE DATE~~

~~This act shall take effect on July 1, 2013.~~

~~Sec. 1. 9 V.S.A. chapter 80 is amended to read:~~

~~CHAPTER 80. FLAME RETARDANTS~~

~~§ 2971. BROMINATED FLAME RETARDANTS~~

~~(a) As used in this section:~~

~~(1) "Brominated flame retardant" means any chemical containing the element bromine that is added to plastic, foam, or textile to inhibit flame formation.~~

~~(2) "Congener" means a specific PBDE molecule.~~

~~(3) "DecaBDE" means decabromodiphenyl ether or any technical mixture in which decabromodiphenyl ether is a congener.~~

~~(4) "Flame retardant" means any chemical that is added to a plastic, foam, or textile to inhibit flame formation.~~

~~(5) "Manufacturer" means any person who manufactures a final product containing a regulated brominated flame retardant or any person~~

~~whose brand name is affixed to a product containing a regulated brominated flame retardant.~~

~~(6) "Motor vehicle" means every vehicle intended primarily for use and operation on the public highways, and shall include farm tractors and other machinery used in the production, harvesting, and care of farm products.~~

~~(7) "OctaBDE" means octabromodiphenyl ether or any technical mixture in which octabromodiphenyl ether is a congener.~~

~~(8) "PentaBDE" means pentabromodiphenyl ether or any technical mixture in which a pentabromodiphenyl ether is a congener.~~

~~(9) "PBDE" means polybrominated diphenyl ether.~~

~~(10) "Technical mixture" means a PBDE mixture that is sold to a manufacturer. A technical mixture is named for the predominant congener in the mixture, but is not exclusively made up of that congener.~~

~~(b) As of July 1, 2010, no person may offer for sale, distribute for sale, distribute for promotional purposes, or knowingly sell at retail a product containing octaBDE or pentaBDE in a concentration greater than 0.1 percent by weight.~~

~~(c) Except for inventory purchased prior to July 1, 2009, a person may not, as of July 1, 2010, manufacture, offer for sale, distribute for sale, or knowingly sell at retail the following products containing decaBDE in a concentration greater than 0.1 percent by weight:~~

~~(1) A mattress or mattress pad; or~~

~~(2) Upholstered furniture.~~

~~(d) Except for inventory purchased prior to July 1, 2009, a person may not, as of July 1, 2012, manufacture, offer for sale, distribute for sale, or knowingly sell at retail a television or computer with a plastic housing containing decaBDE in a concentration greater than 0.1 percent by weight.~~

~~(e) This section shall not apply to:~~

~~(1) the sale or resale of used products; or~~

~~(2) motor vehicles or parts for use on motor vehicles.~~

~~(f) As of July 1, 2010, a manufacturer of a product that contains decaBDE and that is prohibited under subsection (c) or (d) of this section shall notify persons that sell the manufacturer's product of the requirements of this section.~~

~~(g) A manufacturer shall not replace decaBDE, pursuant to this section, with a chemical that is:~~

~~(1) Classified as “known to be a human carcinogen” or “reasonably anticipated to be a human carcinogen” in the most recent report on carcinogens by the National Toxicology Program in the U.S. Department of Health and Human Services;~~

~~(2) Classified as “carcinogenic to humans” or “likely to be carcinogenic to humans” in the U.S. Environmental Protection Agency’s most recent list of chemicals evaluated for carcinogenic potential; or~~

~~(3) Identified by the U.S. Environmental Protection Agency as causing birth defects, hormone disruption, or harm to reproduction or development.~~

~~(h) A violation of this section shall be deemed a violation of the Consumer Protection Act, chapter 63 of this title. The attorney general has the same authority to make rules, conduct civil investigations, enter into assurances of discontinuance, and bring civil actions, and private parties have the same rights and remedies as provided under subchapter 1 of chapter 63 of this title.~~

~~(i) In addition to any other remedies and procedures authorized by this section, the attorney general may request a manufacturer of upholstered furniture, mattresses, mattress pads, computers, or televisions offered for sale or distributed for sale in this state to provide the attorney general with a certificate of compliance with this section with respect to such products. Within 30 days of receipt of the request for a certificate of compliance, the manufacturer shall:~~

~~(1) Provide the attorney general with a certificate declaring that its product complies with the requirements of this section; or~~

~~(2) Notify persons who sell in this state a product of the manufacturer’s which does not comply with this section that sale of the product is prohibited, and submit to the attorney general a list of the names and addresses of those notified.~~

~~(j) The attorney general shall consult with retailers and retailer associations in order to assist retailers in complying with the requirements of this section. [Repealed.]~~

#### § 2972. DEFINITIONS

(a) As used in this chapter:

(1) “Article” means an object that during production is given a special shape, surface, or design which determines its function to a greater degree than its chemical composition.

(2) “Brominated flame retardant” means any chemical containing the element bromine that is added to plastic, foam, or textile to inhibit flame formation.

- (3) “Children’s product” means a consumer product:  
(A) marketed for use by children under 12 years of age; or  
(B) the substantial use of which by a child under 12 years of age is reasonably foreseeable.
- (4) “Commissioner” means the Commissioner of Health.
- (5) “Congener” means a specific PBDE molecule.
- (6) “DecaBDE” means decabromodiphenyl ether or any technical mixture in which decabromodiphenyl ether is a congener.
- (7) “Flame retardant” means any chemical that is added to a plastic, foam, or textile to inhibit flame formation.
- (8) “Manufacturer” means any person:  
(A) who manufactures a final product containing a flame retardant regulated under this chapter; or  
(B) whose brand name is affixed to a final product containing a flame retardant regulated under this chapter.
- (9) “Motor vehicle” means every vehicle intended primarily for use and operation on the public highways and shall include farm tractors and other machinery used in the production, harvesting, and care of farm products.
- (10) “OctaBDE” means octabromodiphenyl ether or any technical mixture in which octabromodiphenyl ether is a congener.
- (11) “PBDE” means polybrominated diphenyl ether.
- (12) “PentaBDE” means pentabromodiphenyl ether or any technical mixture in which pentabromodiphenyl ether is a congener.
- (13) “Residential upholstered furniture” means furniture intended for personal use that includes cushioning material covered by fabric or similar material.
- (14) “TCEP” means tris(2-chloroethyl) phosphate, chemical abstracts service number 115-96-8 (as of the effective date of this section).
- (15) “TCPP” means tris(2-chloro-1-methylethyl) phosphate, chemical abstracts service number 13674-84-5 (as of the effective date of this section).
- (16) “TDCPP” means tris(1,3-dichloro-2-propyl) phosphate, chemical abstracts service number 13674-87-8 (as of the effective date of this section).

(17) "Technical mixture" means a PBDE mixture that is sold to a manufacturer. A technical mixture is named for the predominant congener in the mixture but is not exclusively made up of that congener.

§ 2973. BROMINATED FLAME RETARDANTS; PROHIBITION

(a) As of July 1, 2010, no person may offer for sale, distribute for sale, distribute for promotional purposes, or knowingly sell at retail a product containing octaBDE or pentaBDE in a concentration greater than 0.1 percent by weight.

(b) Except for inventory purchased prior to July 1, 2009, a person may not, as of July 1, 2010, manufacture, offer for sale, distribute for sale, or knowingly sell at retail the following products containing decaBDE in a concentration greater than 0.1 percent by weight:

(1) a mattress or mattress pad; or

(2) upholstered furniture.

(c) Except for inventory purchased prior to July 1, 2009, a person may not, as of July 1, 2012, manufacture, offer for sale, distribute for sale, or knowingly sell at retail a television or computer with a plastic housing containing decaBDE in a concentration greater than 0.1 percent by weight.

(d)(1) Except as provided in subdivision (2) of this subsection, beginning July 1, 2013, no person may manufacture, sell or offer for sale, or distribute for sale or use in the State plastic shipping pallets that contain decaBDE in a concentration greater than 0.1 percent by weight.

(2) Subdivision (1) of this subsection shall not apply to the sale, lease, distribution, or use in the State of:

(A) plastic shipping pallets manufactured prior to January 1, 2011;  
or

(B) plastic shipping pallets manufactured from recycled shipping pallets that contain decaBDE in a concentration that is no greater than the concentration of decaBDE in the recycled pallets from which the plastic pallets were manufactured.

§ 2974. CHLORINATED FLAME RETARDANTS

(a) Except for inventory manufactured prior to January 1, 2014, no person, other than a retailer, shall, as of January 1, 2014, manufacture, offer for sale, distribute for sale, or knowingly sell in or into this State any children's product or residential upholstered furniture that contains a concentration of TCEP or TDCPP that is greater than 0.1 percent by weight in any product component.

(b) A retailer shall not, as of July 1, 2014, knowingly sell or offer for sale in or into this State any children's product or residential upholstered furniture that contains a concentration of TCEP or TDCPP that is greater than 0.1 percent by weight in any product component.

(c)(1) Notwithstanding the requirements of subsections (a) and (b) of this section, the 0.1 percent-by-weight thresholds under this section for TCEP and TDCPP shall be applied to an individual article and not to individual product components for the following:

(A) personal computers, audio and video equipment, calculators, wireless telephones, game consoles, handheld devices incorporating a screen that are used to access interactive software and their associated peripherals, and cable and other similar connecting devices; and

(B) interactive software intended for leisure and entertainment, such as computer games, and their storage media, such as compact discs.

(2) In applying the requirements of the 0.1 percent-by-weight thresholds under this section for TCEP and TDCPP to an individual article under this subsection, the Attorney General shall interpret what constitutes an "article" in a manner that is consistent with industry practices and guidance, including the European Union's Registration, Evaluation, and Restriction on Chemical Substances regulation, known as "REACH," Regulation (EC) Number 1907/2006, Art. 3(3).

§ 2975. NOTICE TO RETAILERS; DISCLOSURE OF PRODUCT CONTENT; CONSULTATION

(a) As of July 1, 2010, a manufacturer of a product that contains decaBDE and that is prohibited under subsection 2973(c) or (d) of this chapter shall notify persons that sell the manufacturer's product of the requirements of this chapter.

(b) As of July 1, 2013, a manufacturer of a product that contains TCEP or TDCPP and that is prohibited under subsection 2974(a) or (b) of this chapter shall notify persons that sell the manufacturer's product of the requirements of this chapter.

(c) As of March 31, 2014, a person other than a retailer who, since July 1, 2013, has manufactured, distributed, or sold in or into this State any product containing TCEP or TDCPP that is prohibited under subsection 2974(a) or (b) of this chapter shall notify persons who sell the manufacturer's product of the fact that the product sold to the person selling the manufacturer's product contains TCEP or TDCPP. The notification shall be sent by mail and shall notify the person selling the manufacturer's product of the concentration of



TCEP or TDCPP in the product sold in percent by weight of each product component.

(d) The Attorney General shall consult with retailers and retailer associations to assist retailers in complying with the requirements of this chapter.

§ 2976. REPLACEMENT OF REGULATED FLAME RETARDANTS

A manufacturer shall not replace decaBDE, TCEP or TDCPP with a chemical that is:

(1) classified as “known to be a human carcinogen” or “reasonably anticipated to be a human carcinogen” in the most recent report on carcinogens by the National Toxicology Program in the U.S. Department of Health and Human Services;

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

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

§ 2977. EXEMPTIONS

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

(1) the sale or resale of used products;

(2) motor vehicles or parts for use on motor vehicles; and

(3) building insulation materials.

§ 2978. VIOLATIONS; ENFORCEMENT

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

§ 2979. PRODUCTION OF INFORMATION

In addition to any other remedies and procedures authorized by this chapter, the Attorney General may request a manufacturer of upholstered furniture, mattresses, mattress pads, computers, televisions, children’s products, or residential upholstered furniture offered for sale or distributed for sale in this State to provide the Attorney General with a certificate of

compliance with this chapter with respect to such products. Within 30 days of receipt of the request for a certificate of compliance, the manufacturer shall:

(1) provide the Attorney General with a certificate declaring that its product complies with the requirements of this chapter; or

(2) notify persons who sell in this State a product of the manufacturer's which does not comply with this chapter that sale of the product is prohibited and submit to the Attorney General a list of the names and addresses of those notified.

§ 2980. DEPARTMENT OF HEALTH RULEMAKING; TCPP

(a) The Commissioner may adopt by rule a prohibition on the manufacture, offer for sale, distribution for sale, or knowing sale at retail in or into the State of the flame retardant TCPP in children's products and residential upholstered furniture if the Commissioner determines, based on the weight of available, scientific studies, that the toxicity of TCPP and its potential exposure pathways in those products pose a significant public health risk as that term is defined in 18 V.S.A. § 2(12).

(b) The rule shall not regulate TCPP in a manner that is materially different from the requirements of sections 2972 (definitions), 2974 (chlorinated flame retardants), 2975 (notice to retailers; disclosure of product content; consultation), 2976 (replacement of regulated flame retardants), 2977 (exemptions), 2978 (violations; enforcement), and 2979 (production of information) of this title regarding the regulation of TCEP and TDCPP. The Commissioner shall adopt reasonable time frames for manufacturers, distributors, and retailers to comply with such provisions that are comparable to the time frames for the regulation of TCEP and TDCPP.

(c) A violation of a prohibition or requirement adopted by rule under this section shall be enforceable by the Attorney General under section 2978 of this title as a violation of this chapter.

(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 a proposed prohibition on the manufacture, offer for sale, distribution for sale, or knowing sale at retail in the State of the flame retardant TCPP. 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.

(e) A rule adopted by the Commissioner under this section shall become effective according to the following:

(1) A proposed rule filed with the Secretary of State under 3 V.S.A. § 838 on or before July 1, 2014 shall not go into effect earlier than one calendar year after the Commissioner files the adopted rule under 3 V.S.A. chapter 25.

(2) A proposed rule filed with the Secretary of State under 3 V.S.A. § 838 after July 1, 2014 shall not go into effect earlier than one calendar year after the Commissioner files the adopted rule under 3 V.S.A. chapter 25, unless the Commissioner determines that an earlier effective date is required to protect human health, the Commissioner notifies interested parties of the determination, and the new effective date is established by rule.

*Sec. 2. EFFECTIVE DATE*

This act shall take effect on July 1, 2013.