

**A-Engrossed**  
**Senate Bill 962**

Ordered by the Senate April 15  
Including Senate Amendments dated April 15

Sponsored by Senator MONNES ANDERSON, Representative BERGER; Senators ATKINSON, BATES, BROWN, GEORGE, MORRISETTE, MORSE, NELSON, Representatives ANDERSON, DALTO, GARRARD, GREENLICK, TOMEI

**SUMMARY**

The following summary is not prepared by the sponsors of the measure and is not a part of the body thereof subject to consideration by the Legislative Assembly. It is an editor's brief statement of the essential features of the measure.

- Includes certain brominated flame retardants in definition of "hazardous substance."
- Prohibits introduction or delivery for introduction into commerce of products containing certain amount of brominated flame retardants.
- Directs Department of Human Services to issue biennial report regarding brominated flame retardants.

**A BILL FOR AN ACT**

1  
2 Relating to brominated flame retardants; creating new provisions; and amending ORS 453.005,  
3 453.085 and 453.995.

4 **Be It Enacted by the People of the State of Oregon:**

5 **SECTION 1.** ORS 453.005 is amended to read:

6 453.005. As used in ORS 453.005 to 453.135 [*and 453.990 (2)*] unless the context requires other-  
7 wise:

8 (1) "Combustible" means any substance [*which*] **that** has a flash point above 80 degrees  
9 Fahrenheit to and including 140 degrees, as determined by the Tagliabue Open Cup Tester.

10 (2) "Commerce" means any and all commerce within the State of Oregon and subject to the ju-  
11 risdiction thereof and includes the operation of any business or service establishment.

12 (3) "Corrosive" means any substance [*which*] **that** in contact with living tissue will cause de-  
13 struction of tissue by chemical action, but does not refer to action on inanimate surfaces.

14 (4) "Electrical hazard" means an article [*which*] **that** because of its design or manufacture may  
15 cause personal injury or illness by electric shock when in normal use or when subjected to reason-  
16 ably foreseeable damage or abuse.

17 (5) "Extremely flammable" means any substance [*which*] **that** has a flash point at or below 20  
18 degrees Fahrenheit as determined by the Tagliabue Open Cup Tester.

19 (6) "Flammable" means any substance [*which*] **that** has a flash point of above 20 degrees to and  
20 including 80 degrees Fahrenheit, as determined by the Tagliabue Open Cup Tester.

21 (7) "Hazardous substance" means:

22 (a) Any substance [*which*] **that** is toxic, corrosive, an irritant, a strong sensitizer, flammable,  
23 combustible, or generates pressure through decomposition, heat or other means, if such substance  
24 or mixture of substances may cause substantial personal injury or substantial illness during or as  
25 a proximate result of any customary or reasonably foreseeable handling or use, including reasonably

**NOTE:** Matter in **boldfaced** type in an amended section is new; matter [*italic and bracketed*] is existing law to be omitted.  
New sections are in **boldfaced** type.

1 foreseeable ingestion by children, or any substance *[which]* **that** the Director of Human Services  
 2 finds, pursuant to the provisions of ORS 453.005 to 453.135 *[and 453.990 (2)]*, comes within the defi-  
 3 nition of this paragraph.

4 (b) Any radioactive substance, if, with respect to such substance as used in a particular class  
 5 of article or as packaged, the director determines that the substance is sufficiently hazardous to  
 6 require labeling in accordance with ORS 453.005 to 453.135 *[and 453.990 (2)]* in order to protect the  
 7 public health. However, *[the term]* “hazardous substance” does not include any source material,  
 8 special nuclear material, or by-product material as defined in the Atomic Energy Act of 1954, as  
 9 amended, and regulations issued pursuant thereto by the Atomic Energy Commission.

10 (c) Any toy or other article intended for use by children *[which]* **that** the director determines  
 11 in accordance with ORS 453.055 presents an electrical, thermal or mechanical hazard.

12 (d) Any article *[which]* **that** is not pesticide within the meaning of the Federal Insecticide,  
 13 Fungicide, and Rodenticide Act or regulated under ORS 616.335 to 616.385, but *[which]* **that** is a  
 14 hazardous substance within the meaning of paragraph (a) of this subsection by reason of bearing or  
 15 containing pesticide.

16 (e) **The following brominated flame retardant chemicals:**

17 (A) **Pentabrominated diphenyl ether; and**

18 (B) **Octabrominated diphenyl ether.**

19 (8) “Highly toxic” means any substance *[which]* **that** falls within any of the following categories:

20 (a) Produces death within 14 days in one-half or more of a group of 10 or more laboratory white  
 21 rats each weighing between 200 and 300 grams, at a single dose of 50 milligrams or less per kilogram  
 22 of body weight, when orally administered; *[or]*

23 (b) Produces death within 14 days in one-half or more of a group of 10 or more laboratory white  
 24 rats each weighing between 200 and 300 grams, when inhaled continuously for a period of one hour  
 25 or less at an atmosphere concentration of 200 parts per million by volume or less of gas or vapor  
 26 or two milligrams per liter by volume or less of mist or dust, provided such concentration is likely  
 27 to be encountered by humans when the substance is used in any reasonably foreseeable manner; or

28 (c) Produces death within 14 days in one-half or more of a group of 10 or more rabbits tested  
 29 in a dosage of 200 milligrams or less per kilogram of body weight, when administered by continuous  
 30 contact with the bare skin for 24 hours or less.

31 (9) “Immediate container” does not include package liners.

32 (10) “Irritant” means any substance not corrosive within the meaning of subsection (3) of this  
 33 section, but *[which]* **that** on immediate, prolonged, or repeated contact with normal living tissue will  
 34 induce a local inflammatory reaction.

35 (11) “Label” means a display of written, printed, or graphic matter upon the immediate container  
 36 of any substance, or in the case of an article *[which]* **that** is unpackaged or is not packaged in an  
 37 immediate container intended or suitable for delivery to the ultimate consumer, a display of such  
 38 matter directly on the article involved or on a tag or other suitable material affixed thereto, and a  
 39 requirement made by or under authority of ORS 453.005 to 453.135 *[and 453.990 (2)]* that any word,  
 40 statement, or other information appearing on the label shall not be considered to be complied with  
 41 unless such word, statement, or other information also appears on the outside container or wrapper,  
 42 if any, unless it is easily legible through the outside container or wrapper and on all accompanying  
 43 literature where there are directions for use, written or otherwise.

44 (12) “Mechanical hazard” means an article *[which]* **that** in normal use or when subjected to  
 45 reasonably foreseeable damage or abuse presents an unreasonable risk of personal injury or illness,

1 by its design or manufacture:

- 2 (a) From fracture, fragmentation, or disassembly of the article;
- 3 (b) From propulsion of the article or any part or accessory thereof;
- 4 (c) From points or other protrusions, surfaces, edges, openings, or closures;
- 5 (d) From moving parts;
- 6 (e) From lack or insufficiency of controls to reduce or stop motion;
- 7 (f) As a result of self-adhering characteristics of the article;
- 8 (g) Because the article or any part or accessory thereof may be aspirated or ingested;
- 9 (h) Because of instability; or
- 10 (i) Because of any other aspect of the article's design or manufacture.

11 (13) "Misbranded hazardous substance" means a hazardous substance that does not meet the  
12 labeling requirements of ORS 453.035.

13 (14) "Poison" means:

- 14 (a) Arsenic and its preparations;
- 15 (b) Corrosive sublimate;
- 16 (c) Cyanides and preparations, including hydrocyanic acid;
- 17 (d) Hydrochloric acid and any preparation containing free or chemically unneutralized  
18 hydrochloric acid (HCl) in a concentration of 10 percent or more;
- 19 (e) Nitric acid or any preparation containing free or chemically unneutralized nitric acid  
20 (HNO<sub>3</sub>) in a concentration of five percent or more;
- 21 (f) Strychnine;
- 22 (g) Sulfuric acid and any preparation containing free or chemically unneutralized sulfuric acid  
23 (H<sub>2</sub>SO<sub>4</sub>) in a concentration of 10 percent or more;
- 24 (h) Solution of ammonia, U.S.P. 28 percent; or
- 25 (i) Carboic acid.

26 (15) "Radioactive substance" means a substance *[which]* **that** emits ionizing radiation.

27 (16) "Strong sensitizer" means a substance *[which]* **that** will cause on normal living tissue,  
28 through an allergic or photodynamic process, a hypersensitivity *[which]* **that** becomes evident on  
29 reapplication of the same substances and *[which]* **that** is designated as such by the Director of Hu-  
30 man Services.

31 (17) "Thermal hazard" means an article *[which]* **that**, in normal use or when subjected to rea-  
32 sonably foreseeable damage or abuse, because of its design or manufacture presents an unreasonable  
33 risk of personal injury or illness because of heat as from heated parts, substances or surfaces.

34 (18) "Toxic substance" means any substance, other than radioactive substance, *[which]* **that** has  
35 the capacity to produce personal injury or illness to humans through ingestion, inhalation, or ab-  
36 sorption through any body surface.

37 **SECTION 2.** ORS 453.085 is amended to read:

38 453.085. *[It shall be unlawful for any person to]* **A person may not** perform any of the following  
39 acts:

40 (1) The introduction or delivery for introduction into commerce of any misbranded hazardous  
41 substance or banned hazardous substance.

42 (2) The alteration, mutilation, destruction, obliteration, or removal of the whole or any part of  
43 the label of a hazardous substance.

44 (3) The *[doing]* **performance** of any act with respect to a hazardous substance while the sub-  
45 stance is in commerce, or while the substance is held for sale or resale after shipment in commerce,

1 *[which]* **that** results in the hazardous substance being a misbranded hazardous substance or a  
2 banned hazardous substance.

3 (4) The receipt of or delivery into commerce of any misbranded hazardous substance or banned  
4 hazardous substance for pay or otherwise.

5 (5) The giving of a guarantee or undertaking *[which]* **that** is false, except as a person who relied  
6 upon a guarantee or undertaking to the same effect signed by, and containing the name and address  
7 of, a person residing in the United States from whom the person received in good faith the hazard-  
8 ous substance.

9 (6) The failure to permit entry or inspection as authorized by ORS 453.005 to 453.135 *[and*  
10 *453.990 (2)]* or to permit access to and copying of any record as authorized by ORS 453.005 to 453.135  
11 *[and 453.990 (2)]*.

12 (7) The introduction or delivery for introduction into commerce, or the receipt in commerce and  
13 subsequent delivery or proffered delivery for pay or otherwise, of a hazardous substance in a reused  
14 food, drug or cosmetic container or in a container *[which]* **that**, though not a reused container, is  
15 identifiable as a food, drug or cosmetic container by its labeling or by other identification.

16 (8) The use by any person to the advantage of the person, or the revealing other than to the  
17 Director of Human Services or the authorized representative of the director or to a court of any  
18 information acquired under authority of ORS 453.005 to 453.135 *[and 453.990 (2)]* concerning any  
19 method or process *[which]* **that** is a trade secret entitled to protection.

20 (9) The sale or delivery of any poison to a minor under 18 years of age without the written order  
21 of a person 21 years of age or over, which written order shall be retained in the records of the seller  
22 and the poison register of the seller shall show by the name of the purchaser the fact that the sale  
23 or delivery was to a minor on order of an adult and show the adult's name and address.

24 (10) The sale or delivery of completely denatured alcohol, methyl alcohol (methanol), canned  
25 heat or other solidified forms of denatured alcohol, or any preparation containing those substances,  
26 to be used for beverage purposes.

27 (11) The sale or delivery of any poison without making or causing to be made an entry in a  
28 poison register of the seller in the manner required by law.

29 (12) The sale or delivery to any person of any poison without having learned by due inquiry that  
30 such person is aware of the poisonous character thereof and that it is desired for a lawful purpose.

31 (13) The giving of a fictitious name or making any false representations to the seller or dealer  
32 when buying any of the poisons.

33 (14) The sale or delivery to any person by anyone other than a pharmacist of a poison.

34 (15) The removal or disposal of any detained or embargoed article without permission of the  
35 Director of Human Services or a designated representative.

36 **(16) The introduction or delivery for introduction into commerce of any product con-**  
37 **taining more than one-tenth of one percent by mass of pentabrominated diphenyl ether or**  
38 **octabrominated diphenyl ether. This subsection does not apply to:**

39 **(a) Used products; or**

40 **(b) Replacement parts for products introduced into commerce before the effective date**  
41 **of this 2005 Act.**

42 **SECTION 3. Section 4 of this 2005 Act is added to and made a part of ORS 453.005 to**  
43 **453.135.**

44 **SECTION 4. (1) As used in this section, "brominated flame retardants" includes, but is**  
45 **not limited to:**

- 1       **(a) Polybrominated biphenyl;**
- 2       **(b) Tetrabromobisphenol A;**
- 3       **(c) Hexabromocyclododecane; and**
- 4       **(d) Polybrominated diphenyl ethers, including pentabrominated diphenyl ether,**  
5 **octabrominated diphenyl ether and decabrominated diphenyl ether.**

6       **(2) The Department of Human Services shall submit a report in January of each even-**  
7 **numbered year to the appropriate interim committee with jurisdiction over natural resources**  
8 **matters. The report shall include:**

9       **(a) A summary review of relevant new studies on brominated flame retardants and re-**  
10 **cent findings and rulings by the United States Environmental Protection Agency and the**  
11 **European Union;**

12       **(b) Recommendations regarding restrictions on the disposal of products containing**  
13 **brominated flame retardants; and**

14       **(c) Any other recommendations to protect public health and the environment from**  
15 **brominated flame retardants.**

16       **(3) If a report prepared pursuant to subsection (2) of this section finds that there exists**  
17 **a nationally available alternative to decabrominated diphenyl ether that poses less potential**  
18 **harm to public health and the environment than decabrominated diphenyl ether, the de-**  
19 **partment shall recommend in that report legislation that prohibits the sale of products**  
20 **containing more than one percent by weight of decabrominated diphenyl ether.**

21       **SECTION 5.** ORS 453.995 is amended to read:

22       453.995. (1) In addition to any other liability or penalty provided by law, the Department of  
23 Human Services may impose a civil penalty on a person for violation of:

24       **(a) ORS 453.885; or**

25       **(b) ORS 453.005 to 453.135 or rules adopted under ORS 453.005 to 453.135 by the depart-**  
26 **ment.**

27       (2) A civil penalty imposed under this section may not exceed \$2,000.

28       (3) ORS 183.745 applies to civil penalties imposed under this section.

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