

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33

Date: (Filing No. H-)

ENVIRONMENT AND NATURAL RESOURCES

Reproduced and distributed under the direction of the Clerk of the House.

**STATE OF MAINE
HOUSE OF REPRESENTATIVES
130TH LEGISLATURE
FIRST SPECIAL SESSION**

COMMITTEE AMENDMENT “ ” to H.P. 161, L.D. 226, “An Act To Limit the Use of Hydrofluorocarbons To Fight Climate Change”

Amend the bill by striking out everything after the enacting clause and inserting the following:

'Sec. 1. 38 MRSA §1612 is enacted to read:

§1612. Hydrofluorocarbon use restrictions

1. Definitions. As used in this section, unless the context otherwise indicates, the following terms have the following meanings.

A. "Aerosol propellant" means a liquefied or compressed gas, including, but not limited to, a cosolvent that is used in whole or in part to expel a liquid or other material from a self-pressurized container containing that liquid or other material or from a separate container.

B. "Air conditioning equipment" means chillers used exclusively for the comfort cooling of occupied spaces.

C. "Built-in household refrigerator or freezer" means a refrigerator, refrigerator-freezer or freezer designed for residential use that:

(1) Has 7.75 cubic feet, or 220 liters, or greater total refrigerated volume and 24 inches or less depth not including doors, handles and custom front panels;

(2) Has sides that are not finished and are not designed to be visible after installation;

(3) Is designed, intended and marketed exclusively to be installed completely encased by cabinetry or panels that are attached during installation and securely fastened to adjacent cabinetry, walls or flooring; and

(4) Is equipped with an integral factory-finished face or that accepts a custom front panel.

COMMITTEE AMENDMENT

- 1 D. "Capital cost" means an expense incurred in the production of goods or in the
2 rendering of services, including, but not limited to, the cost of engineering; the cost of
3 the purchase and installation of components or systems and instrumentation; and
4 contractor and construction fees.
- 5 E. "Centrifugal chiller" means air conditioning equipment that uses a centrifugal
6 compressor in a vapor-compression refrigeration cycle and is designed for comfort
7 cooling. "Centrifugal chiller" does not include air conditioning equipment used for
8 industrial process cooling and refrigeration.
- 9 F. "Cold storage warehouse" means a cooled facility designed to store meat, produce,
10 dairy products and other products prior to the delivery of those products to other
11 locations for sale to the ultimate consumer.
- 12 G. "Compact household refrigerator or freezer" means a refrigerator, refrigerator-
13 freezer or freezer designed for residential use that has a total refrigerated volume of
14 less than 7.75 cubic feet or 220 liters.
- 15 H. "Component" means a part of a refrigeration system, including, but not limited to,
16 a condensing unit, compressor, condenser, evaporator or receiver and all of the
17 refrigeration system's connections and subassemblies without which the refrigeration
18 system would not properly function or would be subject to failure.
- 19 I. "End use" means a process or class of specific applications within an industry sector.
- 20 J. "Flexible polyurethane" means a nonrigid synthetic foam containing polymers of
21 urethane radicals, including, but not limited to, foam used in furniture, bedding, chair
22 cushions and shoe soles.
- 23 K. "Foam" means a product with a cellular structure, or a substance used to produce a
24 product with a cellular structure formed via a foaming process, including materials that
25 undergo hardening via chemical reaction or phase transition.
- 26 L. "Heat pump" means a device designed for the comfort heating or cooling of
27 residential or commercial spaces, whether air sourced, water sourced or ground
28 sourced, including, but not limited to, a mini-split heat pump. "Heat pump" does not
29 include air conditioning equipment.
- 30 M. "Household refrigerator or freezer" means a refrigerator, refrigerator-freezer,
31 freezer or miscellaneous residential refrigeration appliance that is designed for
32 residential use. "Household refrigerator or freezer" does not include a compact
33 household refrigerator or freezer or a built-in household refrigerator or freezer.
- 34 N. "Integral skin polyurethane" means a self-skinning polyurethane foam, including,
35 but not limited to, foam used in automobile steering wheels and dashboards.
- 36 O. "Light duty vehicle" has the same meaning as "car" or "light duty truck" as defined
37 in Title 5, section 1812-E.
- 38 P. "Metered dose inhaler" means a device that delivers a measured amount of
39 medication as a mist that an individual can inhale and that consists of a pressurized
40 canister of medication in a case with a mouthpiece.
- 41 Q. "Miscellaneous residential refrigeration appliance" means a residential refrigeration
42 appliance that is smaller than a refrigerator, refrigerator-freezer or freezer and that is

1 designed for residential use, including, but not limited to, a cooler, a cooler
2 compartment and a combination cooler-refrigeration or cooler-freezer product.

3 R. "New" means, with regard to a product or equipment:

4 (1) A product or equipment that is manufactured after the date of an applicable
5 prohibition under subsection 2; or

6 (2) Equipment that is substantially expanded or modified after the date of an
7 applicable prohibition under subsection 2 such that the capital cost of the expansion
8 or modification exceeds 50% of the cost of replacing the entire system of which
9 that equipment is a part.

10 S. "Phenolic insulation board" means phenolic insulation, including, but not limited
11 to, insulation used for roofing and walls.

12 T. "Phenolic insulation bunstock" means phenolic insulation that is a large solid box-
13 like structure that can be cut into specific custom lengths and shapes.

14 U. "Polyolefin" means foam sheets and tubes made of polyolefin.

15 V. "Polystyrene extruded boardstock and billet" means a foam formed from styrene
16 polymers that is produced on extruding machines in the form of continuous foam slabs
17 that can be cut and shaped into panels to be used for insulation of roofing, walls,
18 flooring and pipes.

19 W. "Polystyrene extruded sheet" means polystyrene foam including foam used for
20 packaging and buoyancy or flotation, including, but not limited to, foam made into
21 food-service items, such as hinged polystyrene containers, food trays, plates, bowls and
22 retail egg containers.

23 X. "Positive displacement chiller" means a vapor compression cycle chiller that uses
24 a positive displacement compressor and is typically used for commercial comfort air
25 conditioning. "Positive displacement chiller" does not include a chiller used for
26 industrial process cooling and refrigeration.

27 Y. "Refrigerant gas" or "refrigerant" means a substance, including blends and mixtures
28 of substances, that is used for heat transfer purposes.

29 Z. "Refrigerated food processing and dispensing equipment" means retail food
30 refrigeration equipment that is designed to process and dispense food and beverages
31 that are intended for immediate or near-immediate consumption, including, but not
32 limited to, chilled and frozen beverages, ice cream and whipped cream. "Refrigerated
33 food processing and dispensing equipment" does not include water coolers or units
34 designed to exclusively cool and dispense water.

35 AA. "Refrigeration equipment" means a stationary device that is designed to contain
36 and use refrigerant gas to establish or maintain colder than ambient temperatures in a
37 confined space, including, but not limited to, retail food refrigeration equipment, a
38 household refrigerator or freezer and a cold storage warehouse.

39 BB. "Remote condensing unit" means retail food refrigeration equipment that has a
40 central condensing portion and may consist of one or more compressors, condensers or
41 receivers assembled into a single unit, which may be located outside a retail sales area,
42 including, but not limited to, such units that are commonly installed in convenience

1 stores, specialty shops such as bakeries or butcher shops, supermarkets, restaurants and
2 other locations where food is stored, served or sold.

3 CC. "Residential use" means use by an individual of a substance, or a product
4 containing a substance, in or around a permanent or temporary household, during
5 recreation or for any personal use or enjoyment. "Residential use" does not include use
6 within a household for commercial or medical applications or use in automobiles,
7 watercraft or aircraft.

8 DD. "Retail food refrigeration equipment" means equipment designed to store and
9 display chilled or frozen goods for commercial sale, including, but not limited to, stand-
10 alone units, refrigerated food processing and dispensing equipment, remote condensing
11 units, supermarket systems and vending machines.

12 EE. "Retrofit" means to replace the refrigerant contained in refrigeration equipment
13 with a different refrigerant, including, but not limited to, any related modifications to
14 the refrigeration equipment required to maintain its operation and reliability following
15 refrigerant replacement.

16 FF. "Rigid polyurethane and polyisocyanurate laminated boardstock" means laminated
17 board insulation made with polyurethane or polyisocyanurate foam, including, but not
18 limited to, insulation for roofing and walls.

19 GG. "Rigid polyurethane appliance foam" means polyurethane insulation foam used
20 in domestic appliances.

21 HH. "Rigid polyurethane high-pressure 2-component spray foam" means a liquid
22 polyurethane foam system sold as 2 parts, such as an A side and a B side, in
23 nonpressurized containers and that is field-applied or factory-applied in situ using high-
24 pressure proportioning pumps, to 800 to 1,600 pounds per square inch, and an
25 application gun to mix and dispense the chemical components.

26 II. "Rigid polyurethane in commercial refrigeration" means polyurethane insulation
27 for pipes, walls and metal doors in retail food refrigeration equipment.

28 JJ. "Rigid polyurethane low-pressure 2-component spray foam" means a liquid
29 polyurethane foam system sold as 2 parts, such as an A side and a B side, in containers
30 that are pressurized to less than 250 pounds per square inch during manufacture for
31 application without pumps and that is typically applied in situ relying upon a liquid
32 blowing agent or gaseous blowing agent that also serves as a propellant.

33 KK. "Rigid polyurethane marine flotation foam" means buoyancy or flotation foam
34 used in boat and ship manufacturing for both structural and flotation purposes.

35 LL. "Rigid polyurethane one-component foam sealant" means a polyurethane foam
36 typically packaged in aerosol cans that is applied in situ using a gaseous blowing agent
37 that also serves as a propellant for the aerosol formulation.

38 MM. "Rigid polyurethane sandwich panels" means a polyurethane foam sandwiched
39 between outer structural layers and used to provide insulation in walls and doors,
40 including for insulation in commercial refrigeration equipment and garage doors.

41 NN. "Rigid polyurethane slabstock" means a rigid closed-cell polyurethane foam
42 formed into slabstock insulation for panels and pipes.

1 OO. "Stand-alone low-temperature unit" means a stand-alone unit that maintains food
2 or beverages at temperatures at or below 32 degrees Fahrenheit.

3 PP. "Stand-alone medium-temperature unit" means a stand-alone unit that maintains
4 food or beverages at temperatures above 32 degrees Fahrenheit.

5 QQ. "Stand-alone unit" means a retail refrigerator, freezer or reach-in cooler, whether
6 open or with doors, that has fully integrated refrigeration components and a
7 refrigeration circuit that may be completely brazed or welded and that is fully charged
8 with refrigerant during manufacture and typically requires only an electricity supply to
9 begin operation.

10 RR. "Substance" means any chemical or blend of chemicals intended for an end use
11 listed in subsection 2 or regulated by the department by rule adopted pursuant to
12 subsection 6.

13 SS. "Supermarket system" means a multiplex or centralized retail food refrigeration
14 equipment system that is designed to cool or refrigerate and that operates using racks
15 of compressors installed in a machinery room, including both a direct and an indirect
16 system.

17 TT. "Use," with regard to a substance, includes, but is not limited to, consumption,
18 incorporation or inclusion in a manufacturing process or product in the State;
19 consumption for an end use in the State; and consumption, incorporation or inclusion
20 in an intermediate application in the State, such as formulation or packaging for other
21 subsequent applications. "Use" does not include residential use but does include
22 manufacturing for the purpose of residential use.

23 UU. "Vending machine" means self-contained retail food refrigeration equipment that
24 dispenses goods that must be kept cold or frozen.

25 **2. Prohibitions.** Except as provided in subsection 3 and in accordance with rules
26 adopted by the department pursuant to this section, a person may not sell, lease, rent, install
27 or enter into commerce in the State any product or equipment that uses or will use the
28 following specified substances that are hydrofluorocarbons with high global warming
29 potential for the following specified air conditioning, refrigeration, foam or aerosol
30 propellant end uses.

31 A. Beginning January 1, 2022:

32 (1) For aerosol propellants in new products, the following substances are
33 prohibited: HFC-125, HFC-134a, HFC-227ea and blends of HFC-227ea and HFC-
34 134a;

35 (2) For new compact household refrigerators or freezers, the following substances
36 are prohibited: FOR12A, FOR12B, HFC-134a, KDD6, R-125/290/134a/600a
37 (55.0/1.0/42.5/1.5), R-404A, R-407C, R-407F, R-410A, R-410B, R-417A, R-
38 421A, R-421B, R-422A, R-422B, R-422C, R-422D, R-424A, R-426A, R-428A,
39 R-434A, R-437A, R-438A, R-507A, RS-24 (2002 formulation), RS-44 (2003
40 formulation), SP34E and THR-03;

41 (3) For retrofitted supermarket systems, the following substances are prohibited:
42 R-404A, R-407B, R-421B, R-422A, R-422C, R-422D, R-428A, R-434A and R-
43 507A;

- 1 (4) For new supermarket systems, the following substances are prohibited: HFC-
2 227ea, R-404A, R-407B, R-421B, R-422A, R-422C, R-422D, R-428A, R-434A
3 and R-507A;
- 4 (5) For retrofitted remote condensing units, the following substances are
5 prohibited: R-404A, R-407B, R-421B, R-422A, R-422C, R-422D, R-428A, R-
6 434A and R-507A;
- 7 (6) For new remote condensing units, the following substances are prohibited:
8 HFC-227ea, R-404A, R-407B, R-421B, R-422A, R-422C, R-422D, R-428A, R-
9 434A and R-507A;
- 10 (7) For retrofitted stand-alone units, the following substances are prohibited: R-
11 404A and R-507A;
- 12 (8) For new stand-alone medium-temperature units, the following substances are
13 prohibited: FOR12A, FOR12B, HFC-134a, HFC-227ea, KDD6, R-
14 125/290/134a/600a (55.0/1.0/42.5/1.5), R-404A, R-407A, R-407B, R-407C, R-
15 407F, R-410A, R-410B, R-417A, R-421A, R-421B, R-422A, R-422B, R-422C, R-
16 422D, R-424A, R-426A, R-428A, R-434A, R-437A, R-438A, R-507A, RS-24
17 (2002 formulation), RS-44 (2003 formulation), SP34E and THR-03;
- 18 (9) For new stand-alone low-temperature units, the following substances are
19 prohibited: HFC-227ea, KDD6, R-125/290/134a/600a (55.0/1.0/42.5/1.5), R-
20 404A, R-407A, R-407B, R-407C, R-407F, R-410A, R-410B, R-417A, R-421A, R-
21 421B, R-422A, R-422B, R-422C, R-422D, R-424A, R-428A, R-434A, R-437A,
22 R-438A, R-507A and RS-44 (2003 formulation);
- 23 (10) For new refrigerated food processing and dispensing equipment, the
24 following substances are prohibited: HFC-227ea, KDD6, R-125/290/134a/600a
25 (55.0/1.0/42.5/1.5), R-404A, R-407A, R-407B, R-407C, R-407F, R-410A, R-
26 410B, R-417A, R-421A, R-421B, R-422A, R-422B, R-422C, R-422D, R-424A,
27 R-428A, R-434A, R-437A, R-438A, R-507A and RS-44 (2003 formulation);
- 28 (11) For retrofitted vending machines, the following substances are prohibited: R-
29 404A and R-507A;
- 30 (12) For new rigid polyurethane and polyisocyanurate laminated boardstock, the
31 following substances are prohibited: HFC-134a, HFC-245fa, HFC-365mfc and any
32 blends of those substances;
- 33 (13) For new flexible polyurethane, the following substances are prohibited: HFC-
34 134a, HFC-245fa, HFC-365mfc and any blends of those substances;
- 35 (14) For new integral skin polyurethane, the following substances are prohibited:
36 HFC-134a, HFC-245fa, HFC-365mfc and any blends of those substances;
37 Formacel TI; and Formacel Z-6;
- 38 (15) For new polystyrene extruded sheet, the following substances are prohibited:
39 HFC-134a, HFC-245fa, HFC-365mfc and any blends of those substances;
40 Formacel TI; and Formacel Z-6;
- 41 (16) For new phenolic insulation board and new phenolic insulation bunstock, the
42 following substances are prohibited: HFC-143a, HFC-134a, HFC-245fa, HFC-
43 365mfc and any blends of those substances;

- 1 (17) For new rigid polyurethane slabstock and other new rigid polyurethane, the
2 following substances are prohibited: HFC-134a, HFC-245fa, HFC-365mfc and any
3 blends of those substances; Formacel TI; and Formacel Z-6;
- 4 (18) For new rigid polyurethane appliance foam, the following substances are
5 prohibited: HFC-134a, HFC-245fa, HFC-365mfc and any blends of those
6 substances; Formacel TI; and Formacel Z-6;
- 7 (19) For new rigid polyurethane in commercial refrigeration and new rigid
8 polyurethane sandwich panels, the following substances are prohibited: HFC-134a,
9 HFC-245fa, HFC-365mfc and any blends of those substances; Formacel TI; and
10 Formacel Z-6;
- 11 (20) For new polyolefin, the following substances are prohibited: HFC-134a,
12 HFC-245fa, HFC-365mfc and any blends of those substances; Formacel TI; and
13 Formacel Z-6;
- 14 (21) For new rigid polyurethane one-component foam sealants, the following
15 substances are prohibited: HFC-134a, HFC-245fa and any blends of those
16 substances; blends of HFC-365mfc with 4% or more HFC-245fa; commercial
17 blends of HFC-365mfc with 7% to 13% HFC-227ea and the remainder HFC-
18 365mfc; and Formacel TI;
- 19 (22) For new household refrigerators or freezers, the following substances are
20 prohibited: FOR12A, FOR12B, HFC-134a, KDD6, R-125/290/134a/600a
21 (55.0/1.0/42.5/1.5), R-404A, R-407C, R-407F, R-410A, R-410B, R-417A, R-
22 421A, R-421B, R-422A, R-422B, R-422C, R-422D, R-424A, R-426A, R-428A,
23 R-434A, R-437A, R-438A, R-507A, RS-24 (2002 formulation), RS-44 (2003
24 formulation), SP34E and THR-03;
- 25 (23) For new vending machines, the following substances are prohibited:
26 FOR12A, FOR12B, HFC-134a, KDD6, R-125/290/134a/600a (55.0/1.0/42.5/1.5),
27 R-404A, R-407C, R-410A, R-410B, R-417A, R-421A, R-422B, R-422C, R-422D,
28 R-426A, R-437A, R-438A, R-507A, RS-24 (2002 formulation) and SP34E;
- 29 (24) For new rigid polyurethane marine flotation foam, the following substances
30 are prohibited: HFC-134a, HFC-245fa, HFC-365mfc and any blends of those
31 substances; Formacel TI; and Formacel Z-6;
- 32 (25) For new polystyrene extruded boardstock and billet, the following substances
33 are prohibited: HFC-134a, HFC-245fa, HFC-365mfc and any blends of those
34 substances; Formacel TI; Formacel B; and Formacel Z-6;
- 35 (26) For new rigid polyurethane high-pressure 2-component spray foam, the
36 following substances are prohibited: HFC-134a, HFC-245fa and any blends of
37 those substances; blends of HFC-365mfc with 4% or more HFC-245fa;
38 commercial blends of HFC-365mfc with 7% to 13% HFC-227ea and the remainder
39 HFC-365mfc; and Formacel TI; and
- 40 (27) For new rigid polyurethane low-pressure 2-component spray foam, the
41 following substances are prohibited: HFC-134a, HFC-245fa and any blends of
42 those substances; blends of HFC-365mfc with 4% or more HFC-245fa;
43 commercial blends of HFC-365mfc with 7% to 13% HFC-227ea and the remainder
44 HFC-365mfc; and Formacel TI.

1 B. Beginning January 1, 2023:

2 (1) For new cold storage warehouses, the following substances are prohibited:
3 HFC-227ea, R-125/290/134a/600a (55.0/1.0/42.5/1.5), R-404A, R-407A, R-407B,
4 R-410A, R-410B, R-417A, R-421A, R-421B, R-422A, R-422B, R-422C, R-422D,
5 R-423A, R-424A, R-428A, R-434A, R-438A, R-507A and RS-44 (2003
6 composition); and

7 (2) For new built-in household refrigerators or freezers, the following substances
8 are prohibited: FOR12A, FOR12B, HFC-134a, KDD6, R-125/290/134a/600a
9 (55.0/1.0/42.5/1.5), R-404A, R-407C, R-407F, R-410A, R-410B, R-417A, R-
10 421A, R-421B, R-422A, R-422B, R-422C, R-422D, R-424A, R-426A, R-428A,
11 R-434A, R-437A, R-438A, R-507A, RS-24 (2002 formulation), RS-44 (2003
12 formulation), SP34E and THR-03.

13 C. Beginning January 1, 2024:

14 (1) For new centrifugal chillers, the following substances are prohibited: FOR12A,
15 FOR12B, HFC-134a, HFC-227ea, HFC-236fa, HFC-245fa, R-125/134a/600a
16 (28.1/70/1.9), R-125/290/134a/600a (55.0/1.0/42.5/1.5), R-404A, R-407C, R-
17 410A, R-410B, R-417A, R-421A, R-422B, R-422C, R-422D, R-423A, R-424A,
18 R-434A, R-438A, R-507A, RS-44 (2003 composition) and THR-03; and

19 (2) For new positive displacement chillers, the following substances are
20 prohibited: FOR12A, FOR12B, HFC-134a, HFC-227ea, KDD6, R-125/134a/600a
21 (28.1/70/1.9), R-125/290/134a/600a (55.0/1.0/42.5/1.5), R-404A, R-407C, R-
22 410A, R-410B, R-417A, R-421A, R-422B, R-422C, R-422D, R-424A, R-434A,
23 R-437A, R-438A, R-507A, RS-44 (2003 composition), SP34E and THR-03.

24 **3. Exemptions.** In accordance with rules adopted by the department pursuant to this
25 section, the following exemptions apply to the prohibitions in subsection 2.

26 A. Except in the case of retrofitted products or equipment regulated under this section,
27 the prohibitions in this section do not apply to the use of a product or equipment
28 regulated under this section that is acquired by a person prior to the date of an
29 applicable prohibition under subsection 2 on the selling, leasing, renting, installing or
30 entering into commerce in the State of that product or equipment.

31 B. A product or equipment regulated under this section that is manufactured prior to
32 the date of an applicable prohibition under subsection 2 on the selling, leasing, renting,
33 installing or entering into commerce in the State of that product or equipment may be
34 sold in, imported into, exported from, distributed in, installed in and used in the State
35 after that date.

36 C. The department may approve a waiver request submitted by a person to allow that
37 person to sell, lease, rent, install or enter into commerce in the State for a period of not
38 more than 2 years a product or equipment that is otherwise prohibited from sale, lease,
39 rental, installation or entry into commerce pursuant to this section and the rules adopted
40 pursuant to this section. The department shall adopt rules establishing the process by
41 which a person may submit such a waiver request and the criteria to be used by the
42 department in assessing and approving or denying such waiver requests. The
43 department shall require a person submitting such a waiver request to pay to the

1 department a reasonable fee to cover the department's costs in assessing and approving
2 or denying such waiver requests.

3 D. Heat pumps are not subject to the prohibitions in this section.

4 E. The following end uses of the substance HFC-134a are not subject to the
5 prohibitions in this section:

6 (1) As an aerosol propellant in new cleaning products designed to remove grease,
7 flux and other soils from electrical equipment;

8 (2) For new refrigerant flushes;

9 (3) In a new product for sensitivity testing of smoke detectors;

10 (4) As a new lubricant or freeze spray for electrical equipment or electronics;

11 (5) As a new spray for aircraft maintenance purposes;

12 (6) As a new spray containing corrosion preventive compounds that is used in the
13 maintenance of aircraft, electrical equipment, electronics or military equipment;

14 (7) As a new pesticide for use near electrical wires, in aircraft, in total release
15 insecticide foggers or in certified organic use pesticides for which the federal
16 Environmental Protection Agency has specifically disallowed all other lower
17 global warming potential propellants;

18 (8) As a new mold release agent or mold cleaner;

19 (9) As a new lubricant or cleaner for spinnerets for synthetic fabrics;

20 (10) As a new duster spray specifically used for the removal of dust from
21 photographic negatives, semiconductor chips, specimens under electron
22 microscopes and energized electrical equipment;

23 (11) As a new adhesive or sealant in canisters for commercial use;

24 (12) As a new document preservation spray;

25 (13) As a new wound care spray, new topical cooling spray for pain relief or new
26 product for removing bandage adhesives from skin; and

27 (14) As a new air conditioning refrigerant for military marine vessels when the
28 department has determined that reasonable efforts have been made to ascertain that
29 other alternatives are not technically feasible due to performance or safety
30 requirements.

31 F. The substances HFC-134a and HFC-227ea and blends of HFC-227ea and HFC-
32 134a are not subject to the prohibitions in this section when used as an aerosol
33 propellant for new metered dose inhalers approved by the United States Department of
34 Health and Human Services, Food and Drug Administration for medical purposes.

35 G. The substances HFC-134a and R-404A are not subject to the prohibitions in this
36 section when used as a new air conditioning refrigerant in spacecraft intended for
37 human occupancy and related support equipment when the department has determined
38 that reasonable efforts have been made to ascertain that other alternatives are not
39 technically feasible due to performance or safety requirements.

40 H. Until January 1, 2025, the prohibitions in this section do not apply to:

1 (1) New foams, excluding rigid polyurethane one-component foam sealants, when
2 used in space-related and aeronautics-related applications when the department has
3 determined that reasonable efforts have been made to ascertain that other
4 alternatives are not technically feasible due to performance or safety requirements;
5 and

6 (2) New rigid polyurethane high-pressure 2-component spray foams and new rigid
7 polyurethane low-pressure 2-component spray foams, when used in military or
8 space-related and aeronautics-related applications when the department has
9 determined that reasonable efforts have been made to ascertain that other
10 alternatives are not technically feasible due to performance or safety requirements.

11 I. Any product or equipment the end use of which is regulated under this section is
12 exempt from the prohibitions in this section and the rules adopted pursuant to this
13 section if such state regulation of the product or equipment is preempted by federal
14 statute or regulation, so long as that federal preemption remains in effect.

15 **4. Record keeping.** In accordance with rules adopted by the department pursuant to
16 this section, a person that manufactures for sale or entry into commerce in the State a
17 product or equipment regulated under this section shall maintain for 5 years, and shall make
18 available to the department upon request, records sufficient to demonstrate that the product
19 or equipment does not contain any substances prohibited for an applicable end use
20 regulated under this section or that the product or equipment is exempt from the
21 prohibitions in this section pursuant to subsection 3.

22 **5. Venting prohibition.** In accordance with rules adopted by the department, a person
23 may not intentionally or knowingly vent or otherwise release into the environment any
24 prohibited substance identified pursuant to subsection 2 when maintaining, servicing,
25 repairing or disposing of a product or equipment regulated under this section that was sold,
26 leased, rented, installed or entered into commerce in the State prior to the date of an
27 applicable prohibition under subsection 2 for that product or equipment. The prohibition
28 under this subsection does not apply to a person who causes such a release if that release is
29 de minimis and the person caused the release while engaged in a good faith attempt to
30 recycle or recover the prohibited substance in a product or equipment regulated under this
31 section.

32 **6. Rulemaking.** The department shall adopt rules to implement this section. Rules
33 adopted pursuant to this section are routine technical rules as defined in Title 5, chapter
34 375, subchapter 2-A.

35 A. In its initial adoption of rules to implement this section, the department may not
36 regulate a substance or end use not specifically identified in this section. Subsequent
37 to that initial adoption of rules, the department may amend its adopted rules to regulate
38 or exempt, consistent with this section, substances that are hydrofluorocarbons with
39 high global warming potential and air conditioning, refrigeration, foam or aerosol
40 propellant end uses that are not specifically identified in this section or for other
41 purposes consistent with this section.

42 B. Prior to adopting or amending rules to implement this section, the department shall
43 consult with the Department of Public Safety, Office of the State Fire Marshal
44 regarding the effects of any proposed rules on safety-related requirements and
45 restrictions in state or local building codes and in other related state laws and rules.

