



Maryland
Department of
the Environment

Instructions for Maryland HFC Reduction Program: Product Manufacturer Notification

1. Fill out the form using Adobe Reader.
2. Submit your completed form to christopher.wheeling@maryland.gov. Please direct all questions to this email.
3. This current page contains the instructions for completing pages 1 through 5.

1. Type of Notification

Initial Notification	Check this box for initial notification. Check this box only if this form is submitted before the restriction date applicable to the end-use you are reporting. Initial notification is due to MDE by January 31, 2021 .
Status Update Notification for Prohibitions	Check this box for status update notification. Status update notification is due to MDE by April 1 each year until products and equipment no longer contain the prohibited substance(s).

2. Manufacturer Information

Name	Manufacturer name
Address/City/State/Postal Code/Country	Manufacturer address

3. Manufacturer Representative Information

Name	Name of individual signing this form
Organization	Signer's employer
Mailing Address/City/State/Postal Code/Country	Signer's address
Phone Number (Ext)	Signer's phone number, including country code if outside the U.S.
Email Address	Signer's email address

4. Product Information

End-use	Go to pages 2-5. If you need to provide additional information, use "Notes" section.
Are any products within this end-use sold, leased, rented, installed, used, or manufactured in Maryland by manufacturer?	<p>Check "yes" or "no" for all prohibited substitutes in use, intended for use, or embedded in any product within the applicable end-use manufactured as of the date of this notification.</p> <p>For initial notification:</p> <ol style="list-style-type: none">1. Fill out page 2. Check "yes" or "no" for each end-use.2. If yes, fill out related table for each end-use (pages 3-5).3. If no, you're done. <p>For status update notification:</p> <ol style="list-style-type: none">1. Fill out page 2. Check "yes" or "no" for each end-use.2a. If no, check "no prohibited substitutes used" at the top of each end-use (pages 3-5). OR2b. If yes, fill out related table for each end-use (pages 3-5).

5. Certification Statement and Signature

Certification Statement	Read the certification statement.
Representative Signature	Sign the form. The signer must be the individual listed in section 3.
Representative Name	Type the name of the individual signing the form. This must be the individual listed in section 3.
Date	Date the form was signed.

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Maryland HFC Reduction Program: Product Manufacturer Notification

If you have questions, email christopher.wheeling@maryland.gov.

1. Type of Notification

Initial Notification

Status Update Notification for Prohibitions Taking Effect in (check one): 2021 2022 2023 2024

2. Manufacturer Information

Name

Address

City

State/Province/Region

Postal Code

Country

3. Manufacturer Representative Information

First Name

Last Name

Organization

Mailing Address

City

State/Province/Region

Postal Code

Country

Phone Number (Ext)

Email Address

4. Equipment/Product Information (pages 2-5)

5. Certification Statement and Signature

I certify that:

- I am authorized by an agreement binding on the manufacturer to provide this notification on behalf of the manufacturer.
- I have all the necessary authority to carry out my duties and responsibilities on behalf of the manufacturer and that the manufacturer shall be fully bound by my representations, actions, inactions, or submissions.
- The manufacturer shall be bound by any order issued to me or to the manufacturer by MDE, any representative of MDE, or a court regarding the manufacturer.

Representative Signature

Representative Name

Date

End-Use	Are any products within this end-use sold, leased, rented, installed, used, or manufactured in Maryland by the manufacturer as of the date of this notification?	
Aerosol Propellants		
Aerosol Propellants	YES	NO
Air Conditioning		
Centrifugal Chillers (new)	YES	NO
Positive Displacement Chillers (new)	YES	NO
Refrigeration		
Cold Storage Warehouse (new)	YES	NO
Household refrigerators and freezers (new)	YES	NO
Household refrigerators and freezers-compact (new)	YES	NO
Household refrigerators and freezers-built in appliances (new)	YES	NO
Supermarket Systems (Retrofit)	YES	NO
Supermarket Systems (New)	YES	NO
Remote Condensing Units (Retrofit)	YES	NO
Remote Condensing Units (New)	YES	NO
Stand-Alone Units (Retrofit)	YES	NO
Stand-Alone Medium Temperature Units (New)	YES	NO
Stand-Alone Low Temperature Units (New)	YES	NO
Refrigerated food processing and dispensing equipment (new)	YES	NO
Vending Machines (Retrofit)	YES	NO
Vending Machines (New)	YES	NO
Foams		
Rigid Polyurethane and Polyisocyanurate Laminated Boardstock	YES	NO
Flexible Polyurethane	YES	NO
Integral Skin Polyurethane	YES	NO
Polystyrene Extruded Sheet	YES	NO
Phenolic Insulation Board and Bunstock	YES	NO
Rigid Polyurethane Slabstock and Other	YES	NO
Rigid Polyurethane Appliance Foam	YES	NO
Rigid Polyurethane Commercial Refrigeration and Sandwich Panels	YES	NO
Polyolefin	YES	NO
Rigid Polyurethane Marine Flotation Foam	YES	NO
Foams		
Polystyrene Extruded Boardstock and Billet (XPS)	YES	NO
Rigid Polyurethane (PU) high-pressure two-component spray foam	YES	NO
Rigid Polyurethane (PU) low-pressure two-component spray foam	YES	NO
Rigid Polyurethane (PU) one-component foam sealants	YES	NO

Aerosol Propellants

No Prohibited Substance Used		
Prohibited Substance		USED
HFC-125		
HFC-134a		
HFC-227ea		
Blends of HFC-227ea and HFC134a		

Air Conditioning

Prohibited Substance	Centrifugal Chillers (new)	Positive Displacement Chillers (new)
	No Prohibited Substance Used	
FOR12A		
FOR12B		
HFC-134a		
HFC-227ea		
HFC-236fa		
HFC-245fa		
KDD6		
R-125/ 134a/ 600a (28.1/70/1.9)		
R-125/ 290/ 134a/ 600 (55.0/1.0/42.5/1.5)		
R-404A		
R-407C		
R-410A		
R-410B		
R-417A		
R-421A		
R-422B		
R-422C		
R-422D		
R-423A		
R-424A		
R-434A		
R-437A		
R-438A		
R-507A		
RS-44 (2003 composition)		
SP34E		
THR-03		

Refrigeration

Prohibited Substance	Cold Storage Warehouse (new)	Household refrigerators and freezers (new)	Household refrigerators and freezers-compact (new)	Household refrigerators and freezers-built in appliances (new)	Supermarket Systems (Retrofit)	Supermarket Systems (New)	Remote Condensing Units (Retrofit)	Remote Condensing Units (New)	Stand-Alone Units (Retrofit)	Stand-Alone Medium Temperature Units (New)	Stand-Alone Low Temperature Units (New)	Refrigerated food processing and dispensing equipment (new)	Vending Machines (Retrofit)	Vending Machines (New)
No Prohibited Substance Used														
FOR12A														
FOR12B														
HFC-134a														
HFC-227ea														
HFC-236fa														
KDD6														
R-125/ 290/ 134a/ 600 (55.0/1.0/42.5/1.5)														
R-404A														
R-407A														
R-407B														
R-407C														
R-407F														
R-410A														
R-410B														
R-417A														
R-421A														
R-421B														
R-422A														
R-422B														
R-422C														
R-422D														
R-423A														
R-424A														
R-426A														
R-428A														
R-434A														
R-437A														
R-438A														
R-507A														
RS-24 (2002 formulation)														
RS-44 (2003 formulation)														
SP34E														
THR-03														

Foams

Prohibited Substance	Rigid Polyurethane and Polyisocyanurate Laminated Boardstock	Flexible Polyurethane	Integral Skin Polyurethane	Polystyrene Extruded Sheet	Phenolic Insulation Board and Bunstock	Rigid Polyurethane Slabstock and Other	Rigid Polyurethane Appliance Foam	Rigid Polyurethane Commercial Refrigeration and Sandwich Panels	Polyolefin	Rigid Polyurethane Marine Flotation Foam	Polystyrene Extruded Boardstock and Billet (XPS)	Rigid Polyurethane (PU) high-pressure two-component spray foam	Rigid Polyurethane (PU) low-pressure two-component spray foam	Rigid Polyurethane (PU) one-component foam sealants
No Prohibited Substance Used														
HFC134a														
HFC245fa and blends thereof														
HFC365mfc and blends thereof														
Blends of HFC365mfc with at least 4 percent HFC245fa														
Commercial blends of HFC365mfc with 7 to 13 percent HFC-227a and the remainder HFC-365mfc														
Formacel TI														
Formacel B														
Formacel Z-6														

Notes