



FACT SHEET

Final Rule - Protection of Stratospheric Ozone: Change of Listing Status for Certain Substitutes under the Significant New Alternatives Policy Program

EPA's Significant New Alternatives Policy Program

Under section 612 of the Clean Air Act (CAA), EPA reviews substitutes within a comparative risk framework. More specifically, section 612 provides that EPA must prohibit the use of a substitute where EPA has determined that there are other available substitutes or potentially available substitutes that pose less overall risk to human health and the environment. Thus, the

Final Rule

Changes the status of certain HFCs now that safer alternatives are available

refrigerants, and foam blowing agents

Starting in January 2016; see table for dates for all affected end-uses

The President's Climate Action Plan The President's Key

se its authority through the Significant New Alternatives Policy Program to encourage private sector investment in

End-Uses	Final Rule Change of Status Date*
Supermarket Systems (New)	

Addendum – Status Changes by Sectors and End-Uses

AEROSOLS – PROPELLANTS

End-use	Substitutes	Decision*
Rigid Polyurethane Marine Flotation Foam	HFC-134a, HFC-245fa, HFC-365mfc and blends thereof; Formacel TI, and Formacel Z-6	
Polystyrene Extruded Boardstock and Billet (XPS)	HFC-134a, HFC-245fa, HFC-365mfc, and blends thereof; Formacel TI, Formacel B, and Formacel Z-6	Acceptable subject to narrowed use limits for military or space- and aeronautics-related applications* and unacceptable for all other uses as of January 1, 2021. Unacceptable for all uses as of January 1, 2022.
Rigid Polyurethane Spray Foam	No status change finalized.	
Closed Cell Foams	Applicability to import not finalized.	

* Under the narrowed use limit, use is limited to military or space- and aeronautics-related applications where reasonable efforts have been made to ascertain that other alternatives are not technically feasible due to performance or safety requirements.

MOTOR VEHICLE AIR CONDITIONING - NEW LIGHT-DUTY SYSTEMS

Substitutes	Decision
HFC-134a	Unacceptable as of Model Year (MY) 2021, except where allowed under a narrowed use limit through MY 2025. Acceptable, subject to narrowed use limits, for vehicles exported to countries with insufficient servicing infrastructure to support other alternatives, for MY 2021 through MY 2025. Unacceptable for all newly manufactured vehicles as of MY 2026.
R-406A, R-414A (HCFC Blend Xi, GHG-X4), R-414B (HCFC Blend Omicron), HCFC Blend Delta (Free Zone), Freeze 12, GHG-X5, HCFC Blend Lambda (GHG-HP), R-416A (FRIGC FR-12, HCFC Blend Beta), SP34E, R-426A (RS-24, new formulation)	Unacceptable as of MY 2017.

RETAIL FOOD REFRIGERATION

End-use	Substitutes	Decision
Supermarket Systems (Retrofit)	R-404A, R-407B, R-421B, R-422A, R-422C, R-422D, R-428A, R-434A, R-507A	Unacceptable as of one year from date of publication of final rule
Supermarket Systems (New)	HFC-227ea, R-404A, R-407B, R-421B, R-422A, R-422C, R-422D, R-428A, R-434A, R-507A	Unacceptable as of January 1, 2017

Remote Condensing Units (Retrofit)

End-use	Substitutes	Decision
Stand-Alone Units (Retrofit)	R-404A, R-507A	