



January 13, 2022

www.epa.gov/ozone/snap

FACT SHEET

SNAP Determination of Acceptability (Notice 37)

Action Listing New Acceptable Substitutes

Section 612 of the Clean Air Act requires EPA to evaluate alternatives to ozone-depleting substances. EPA’s Significant New Alternatives Policy (SNAP) program reviews substitutes in a comparative risk framework, using the same risk criteria for all SNAP decisions. Section 612 requires EPA to list as acceptable those substitutes that do not present a significantly greater risk to human health and the environment as compared with other substitutes that are currently or potentially available.

This determination of acceptability (Notice 37) expands EPA’s SNAP list of acceptable substitutes, providing industry with more options in the refrigeration and air conditioning, foam blowing, aerosols, cleaning solvents, and adhesives, coatings, and inks sectors.

Notice 37

What is included in the Notice?

- Five additional acceptable substitutes that reduce overall risk to human health and environment

Which industrial sectors are included?

- Refrigeration & Air Conditioning
- Foam Blowing
- Aerosols
- Cleaning Solvents
- Adhesives, Coatings & Inks

What health and environmental impacts of substitutes does EPA evaluate?

- Atmospheric effects, toxicity, flammability, occupational and consumer health/safety, local air quality, and ecosystem effects

SUMMARY OF ACCEPTABLE SUBSTITUTES

End-Use	Substitutes
Refrigeration & Air Conditioning	
Cold Storage Warehouses (New)	HCFO-1233zd(E)
Ice Skating Rinks (New)	HCFO-1233zd(E)
Industrial Process Air Conditioning (New)	HCFO-1233zd(E)

End-Use	Substitutes
Foam Blowing	
Polystyrene: Extruded Boardstock and Billet	HFO-1234ze(E)/HCFO-1233zd(E) co-blowing blends, HFO-1234ze(E)/HFC-152a co-blowing blends, HFO-1234ze(E)/methyl formate/HFC-152a/CO ₂ /water co-blowing blends
Aerosols	
Aerosol Solvents	HCFO-1233yd(Z)
Cleaning Solvents	
Electronics Cleaning	HCFO-1233yd(Z)
Metals Cleaning	HCFO-1233yd(Z)
Precision Cleaning	HCFO-1233yd(Z)
Adhesives, Coatings, and Inks	
Coatings	HCFO-1233yd(Z)