



R-116 Hexafluoroethane

Also known as: Perfluoroethane, CFC-116, Freon 116

Freon is a registered trade name for E. I. DuPont.

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General Information

Chemical Formula	CAS Registry #	Color & Odor	Refrigerant Applications
CF3CF3	76-16-4	Colorless Pressurized liquid with slight ether like odor	

Physical Data

Molecular Mass	Boiling Point C°	Boiling Point F°	Critical Temperature C°	Critical Temperature F°	Critical Pressure MPa	Critical Pressure psia
138.01	-78.2	-108.8	19.9	67.8	3.04	441

Toxicity & Global Warming Data

TLV-TWA	Years of Atmospheric Lifetime	Ozone Depletion Potential	Global Warming Potential
1,000	10,000	0.000	11400

Packaging Information

Packaged in	Volumes available in pounds	Color of Container
Pressurized cylinders	30, 150, 875,	Dark Gray (Battleship)

Shipping Information

DOT Shipping Name	Hazard Class	UN/NA Number	Packing Group	Labels Required
Hexafluoroethane	2.2	UN2193		nonflammable gas

ARI 700 Reclaim Standards

Isomer Content by weight	Air and other non-condensables % by volume @ 25°C	Water in ppm by weight	All other impurities including refrigerants as % by weight	Oil and other high boiling residues as % by volume	Particulates/solids visually clean to pass	Acidity as ppm by weight	Chloride (pass/fail is 3 ppm)
none	none	none	none	none	none	none	none

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