



General Information

Chemical Formula	CAS Registry #	Color & Odor	Refrigerant Applications
CHF ₃	75-46-7	Colorless odorless liquefied compressed gas	Very low temperature refrigeration

Physical Data

Molecular Mass	Boiling Point C°	Boiling Point F°	Critical Temperature C°	Critical Temperature F°	Critical Pressure MPa	Critical Pressure psia
70.01	-82.1	-115.8	25.9	78.6	4.84	702

Toxicity & Global Warming Data

TLV-TWA	Years of Atmospheric Lifetime	Ozone Depletion Potential	Global Warming Potential
1,000	243	0.000	10

Packaging Information

Packaged in	Volumes available in pounds	Color of Container
Pressurized cylinders	5, 9, 20, 70,	Light Blue-Gray

Shipping Information

DOT Shipping Name	Hazard Class	UN/NA Number	Packing Group	Labels Required
Trifluoromethane	2.2	UN1984		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	1.5	10	0.50	0.01	pass	1.0	pass

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