

General Information

Chemical Formula	CAS Registry #	Color & Odor	Refrigerant Applications
CHClF ₂	75-45-6	Colorless liquid with slight ether like odor	low & medium temperature refrigeration and air conditioning

Physical Data

Molecular Mass	Boiling Point C°	Boiling Point F°	Critical Temperature C°	Critical Temperature F°	Critical Pressure MPa	Critical Pressure psia
86.47	-40.8	-41.4	96.2	205.2	4.99	724

Toxicity & Global Warming Data

TLV-TWA	Years of Atmospheric Lifetime	Ozone Depletion Potential	Global Warming Potential
1,000	11.8	0.034	1900

Packaging Information

Packaged in	Volumes available in pounds	Color of Container
Pressurized cylinders	30, 50, 125, 875, 1750	Light Green

Shipping Information

DOT Shipping Name	Hazard Class	UN/NA Number	Packing Group	Labels Required
Chlorodifluoromethane	2.2	UN1018		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

(See page 2)

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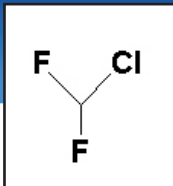
R-22 Chlorodifluoromethane

Also known as: Monochlorodifluoromethane, HCFC-22, Freon 22, Genetron 22, Forane 22

Freon is a registered trade name for E. I. DuPont. Genetron is a registered trade name for Allied Signal Corporation. Forane is a registered trade name for Elf Atochem

www.refrigerantsupply.com

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Alternative Refrigerant Option for R-22 Chillers

(Alternative will require retrofit and maybe new equipment)

Alternative	Composition	Manufacturers	Trade Names
HFC-134a	N/A	Dupont	SUVA -134a
		Allied Signal	Genetron 134a
		Elf Atochem	Forane 134a
		ICI Americas	KLEA 134a
		Others	R-134a
R-407C	HFC-32 - 23%	DuPont	SUVA AC 9000
	HFC-125 - 25%	ICI Americas	KLEA 407C
	HFC-134a - 52%		
R-410A	HFC-32 - 50%	Allied Signal	AZ-20
	HFC-125 - 50%	DuPont	SUVA AC 9100
R-410B	HFC-32 - 45%	DuPont	
	HFC-125 - 55%		

SUVA is a registered trade name for E. I. DuPont
 KLEA is a registered trade name for ICI Americas
 Forane is a registered trade name for Elf Atochem
 AZ-20 and Genatron are registered trade names for Allied Signal

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