


General Information

Chemical Formula	CAS Registry #	Color & Odor	Refrigerant Applications
Azeotropic Blend of R-13 and R-23	75-46-7 and 75-72-9	Colorless Pressurized liquid with slight ether like odor	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
87.25	-87.5	-125.5	18.4	65.1	4.27	619

Toxicity & Global Warming Data

TLV-TWA	Years of Atmospheric Lifetime	Ozone Depletion Potential	Global Warming Potential
1,000		0.599	14300

Packaging Information

Packaged in	Volumes available in pounds	Color of Container
Pressurized cylinders	5, 9, 20, 80	Blue-green (aqua)

Shipping Information

DOT Shipping Name	Hazard Class	UN/NA Number	Packing Group	Labels Required
Chlorotrifluoromethane and trifluoromethane azeotropic mixture	2.2	UN2599		nonflammable gas

ARI 700 Reclaim Standards

Allowable Comp. 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)
39.0-41.0 59.0-61.0	1.5	10	0.50	0.01	pass	1.0	pass

Alternative Refrigerant Option for R-13 Chillers

(Alternative will require retrofit and maybe new equipment)

Alternative	Composition	Manufacturers	Trade Names
HFC-23	N/A	DuPont	SUVA 23
R-508	HFC-23	DuPont	SUVA-95
	R-116 (C2F6)	ICI Americas	KLEA 508

 SUVA is a registered trade name for E. I. DuPont
 KLEA is a registered trade name for ICI Americas

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