



Arkema Inc.
900 First Avenue
King of Prussia, PA 19406

FORANE® 22 CHLORODIFLUOROMETHANE (CHClF₂)

GENERAL DESCRIPTION

HCFC used alone or as a component in blends in medium to low temperature refrigeration applications or in A/C (commercial and residential).

SPECIFICATIONS

(Meets AHRI 700-2011 Specifications)

	Maximum (unless otherwise noted)
Chlorodifluoromethane (R-22), wt %	99.5 (minimum)
Air and Other Non-condensable Gases, vol %	1.5
Volatile Impurities, wt. %	0.5
High Boiling Residue, vol %	0.01
Moisture (H ₂ O), ppm by wt	10
Acidity, ppm by wt (as HCl)	1.0
Chloride, no visible turbidity (indicates about 3 ppm)	Pass
Particulates / solids (visually clean to pass)	Pass
Halogenated Unsaturated Volatile Impurities, ppm by weight	40

PROPERTIES

Appearance	Colorless liquefied gas
Odor	Faint, ether-like odor
Molecular Mass (g/mole)	86.47
Boiling Point at 1 atm	-41.5°F / -40.8°C
Flammable Limits (LFL, UFL), vol % (1 atm, 25°C)	Not Applicable
ANSI/ASHRAE Standard 34 Safety Group Classification	A1
Ozone Depletion Potential (ODP) (CFC-11 = 1.0)	0.055
Global Warming Potential (GWP) (CO ₂ = 1.0) (100 year)	1,810

Temperature	50°F	70°F	105°F	115°F	130°F
Vapor Pressure, psia ⁽¹⁾	98.8	136.1	225.5	257.4	311.6
Liquid Density, lb./ft ³ ⁽¹⁾	77.8	75.3	70.3	68.7	66.2

⁽¹⁾ generated using NIST REFPROP Version 9.0

CAS Number: 75-45-6

Customer Service: 1.800.245.5858

June 11, 2012, 2012

BEFORE HANDLING THIS MATERIAL, READ AND UNDERSTAND THE MSDS (MATERIAL SAFETY DATA SHEET) FOR ADDITIONAL INFORMATION ON PERSONAL PROTECTIVE EQUIPMENT AND FOR SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION.

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