



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

## FORANE® 22 CHLORODIFLUOROMETHANE (CHClF<sub>2</sub>)

### 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 700-2012 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 <sub>2</sub> 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) (AR4)	1,810

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

<sup>(1)</sup> generated using NIST REFPROP Version 9.0

CAS Number: 75-45-6

Customer Service: 1.800.245.5858

October 4, 2013

**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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