

## Solvay Specialty Polymers Meforex<sup>®</sup> 123 Ozone-Friendly CFC Replacement

Category : Fluid

**Material Notes:**

Formula: CHCl<sub>2</sub>CF<sub>3</sub>; Name: 1,1 Dichloro 2,2,2 Trifluoroethane. Replaces CFC 11. Industrial air-conditioning, heat pumps, and heat transfer fluid. Information provided by Solvay Solexis, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Solvay-Specialty-Polymers-Meforex-123-Ozone-Friendly-CFC-Replacement.php](http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-Meforex-123-Ozone-Friendly-CFC-Replacement.php)

Physical Properties	Metric	English	Comments
Density	1.46 g/cc @Temperature 25.0 °C	0.0527 lb/in <sup>3</sup> @Temperature 77.0 °F	Liquid
Molecular Weight	152.9 g/mol	152.9 g/mol	
Vapor Pressure	0.910 bar @Temperature 25.0 °C	683 torr @Temperature 77.0 °F	

Thermal Properties	Metric	English	Comments
Heat of Vaporization	170 J/g	73.1 BTU/lb	at Boiling Point
Melting Point	-107.1 °C	-160.8 °F	at 1.013 bar
Boiling Point	27.8 °C	82.0 °F	at 1.013 bar

Chemical Properties	Metric	English	Comments
Critical Pressure	36.68 bar	27510 torr	
Critical Temperature	183.8 °C	362.8 °F	
Critical Density	0.550 g/cc	0.0199 lb/in <sup>3</sup>	

Descriptive Properties	Value	Comments
Flammability Range (vol%)	None	
Ozone Depletion Potential	0.022	Based on CFC11 = 1.0
Toxicity Level	1000 ppm	Allowed limit in work places, values suggested by AIHA (American Industrial Hygiene Association).

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