

Solvay Chemicals 1,2,3-Trichloropropane

Category : Fluid

Material Notes:

Colourless liquid, mainly used as chemical intermediate.EINECS Number: 202-486-1/CAS Number: 96-18-4/UN number: 2810Information provided by Solvay

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-Chemicals-123-Trichloropropane.php

Physical Properties	Metric	English	Comments
Density	1.226 g/cc	0.04429 lb/in ³	
	@Pressure 0.10981 MPa, Temperature 160 Â°C	@Pressure 15.927 psi, Temperature 320 Â°F	
	1.239 g/cc	0.04476 lb/in ³	
	@Pressure 0.08457 MPa, Temperature 150 Â°C	@Pressure 12.27 psi, Temperature 302 Â°F	
	1.252 g/cc	0.04523 lb/in ³	
	@Pressure 0.06417 MPa, Temperature 140 Â°C	@Pressure 9.307 psi, Temperature 284 Â°F	
	1.264 g/cc	0.04566 lb/in ³	
	@Pressure 0.0479 MPa, Temperature 130 Â°C	@Pressure 6.95 psi, Temperature 266 Â°F	
	1.277 g/cc	0.04613 lb/in ³	
	@Pressure 0.03513 MPa, Temperature 120 Â°C	@Pressure 5.095 psi, Temperature 248 Â°F	
	1.289 g/cc	0.04657 lb/in ³	
	@Pressure 0.02527 MPa, Temperature 110 Â°C	@Pressure 3.665 psi, Temperature 230 Â°F	
	1.301 g/cc	0.04700 lb/in ³	
	@Pressure 0.01779 MPa, Temperature 100 Â°C	@Pressure 2.580 psi, Temperature 212 Â°F	
	1.312 g/cc	0.04740 lb/in ³	
	@Pressure 0.01223 MPa, Temperature 90.0 Â°C	@Pressure 1.774 psi, Temperature 194 Â°F	

Physical Properties	Metric	English	Comments
	1.324 g/cc @Pressure 0.00820 MPa, Temperature 80.0 Â°C	0.04783 lb/inÂ³ @Pressure 1.19 psi, Temperature 176 Â°F	
	1.335 g/cc @Pressure 0.00534 MPa, Temperature 70.0 Â°C	0.04823 lb/inÂ³ @Pressure 0.775 psi, Temperature 158 Â°F	
	1.346 g/cc @Pressure 0.00337 MPa, Temperature 60.0 Â°C	0.04863 lb/inÂ³ @Pressure 0.489 psi, Temperature 140 Â°F	
	1.357 g/cc @Pressure 0.00205 MPa, Temperature 50.0 Â°C	0.04902 lb/inÂ³ @Pressure 0.297 psi, Temperature 122 Â°F	
	1.367 g/cc @Pressure 0.00120 MPa, Temperature 40.0 Â°C	0.04939 lb/inÂ³ @Pressure 0.174 psi, Temperature 104 Â°F	
	1.378 g/cc @Pressure 0.000670 MPa, Temperature 30.0 Â°C	0.04978 lb/inÂ³ @Pressure 0.0972 psi, Temperature 86.0 Â°F	
	1.388 g/cc @Pressure 0.000360 MPa, Temperature 20.0 Â°C	0.05014 lb/inÂ³ @Pressure 0.0522 psi, Temperature 68.0 Â°F	
	1.398 g/cc @Pressure 0.000180 MPa, Temperature 10.0 Â°C	0.05051 lb/inÂ³ @Pressure 0.0261 psi, Temperature 50.0 Â°F	
	1.408 g/cc @Pressure 0.0000800 MPa, Temperature 0.000 Â°C	0.05087 lb/inÂ³ @Pressure 0.0116 psi, Temperature 32.0 Â°F	
	1.418 g/cc @Pressure 0.0000400 MPa, Temperature -10.0 Â°C	0.05123 lb/inÂ³ @Pressure 0.00580 psi, Temperature 14.0 Â°F	
	1.427 g/cc @Pressure 0.0000100 MPa,	0.05155 lb/inÂ³ @Pressure 0.00145 psi,	

Physical Properties	Temperature -20.0 Â°C Metric	Temperature -4.00 Â°F English	Comments
Solubility in Water	0.18 %	0.18 %	
Molecular Weight	147.44 g/mol	147.44 g/mol	
Vapor Pressure	0.00100 bar	0.750 torr	

Thermal Properties	Metric	English	Comments
Melting Point	-15.0 Â°C	5.00 Â°F	Freezing Point
Boiling Point	156 Â°C	313 Â°F	
	@Pressure 1.013 MPa	@Pressure 146.9 psi	
Flash Point	73.0 Â°C	163 Â°F	TAG closed cup

Chemical Properties	Metric	English	Comments
Critical Pressure	40.0 bar	30000 torr	
Critical Temperature	403 Â°C	757 Â°F	

Processing Properties	Metric	English	Comments
Moisture Content	<= 0.20 %	<= 0.20 %	ASTM D3401/B, ASTM E1064

Descriptive Properties	Value	Comments
Appearance	Clear to light yellow liquid, free from visible matter or particles	
Color	<200	APHA, ISO 2211
Composition	<0.1%	Acidity (as HCL)
	<0.5%	Sum of ethers
	<10 mg/kg	Free chlorine, ASTM D4755
	>98%	1,2,3-Trichloropropane
Flammability limits	3.2-12.6%	

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