Shandong Dongyue Shenzhou New Material Co Hexafluoropropene Oxide (HFPO)

Category : Fluid

Material Notes:

Conformable with: Q/DYS 002-2007Hexafluoropropene Oxide (HFPO) is a kind of colorless and uninflammable gas. It is easy to be liquefied under pressure, and generally be used as special intermediates for fluorine-containing chemicals.Main Applications:HFPO is a kind of important intermediates for fluoride material. Being the oxidation product of Hexafluoropropene, it is widely used as intermediates for fluoride compound. It is main component of fluoride vinyl ether product (PPVE/PSVE/PEVE/PMVE), and monomer of fluoride surfactant and PFPE. HFPO can also react through nucleophilic substituent after ring-opening, and it can react as difluoro-carbine under heating.Information Provided by Shandong Dongyue Shenzhou New Material Co., Ltd.

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http://www.lookpolymers.com/polymer_Shandong-Dongyue-Shenzhou-New-Material-Co-Hexafluoropropene-Oxide-HFPO.php

Physical Properties	Metric	English	Comments
Density	1.30 g/cc @Temperature 25.0 Â°C	0.0470 lb/inÂ³ @Temperature 77.0 Â°F	Liquid
Molecular Weight	166 g/mol	166 g/mol	
Vapor Pressure	6.75 bar @Temperature 25.0 Â°C	5060 torr @Temperature 77.0 Â°F	Saturated

Thermal Properties	Metric	English	Comments
Boiling Point	-27.0 Â°C	-16.6 Â°F	

Chemical Properties	Metric	English	Comments
Critical Temperature	86.0 Â°C	187 Â°F	

Descriptive Properties	Value	Comments
Appearance	Colorless transparent liquid	
CAS	428-59-1	
Chemical Name	Hexafluoropropene Oxide	
Danger Label	2.2 (uninflammable, nontoxic gas)	
Else (wt%)	0.1	Excellent
	0.3	Grade A

Descriptive Properties	Value	Comments
Hexafluoroacetone (HFA) (wt%)	0.1	Excellent
	0.2	Grade A
	0.2	Qualified
Hexafluoropropene (HFP) (wt%)	0.8	Excellent
	4.5	Grade A
	9.5	Qualified
Hexafluoropropene Oxide (HFPO) (wt%)	>90	Qualified
	>95	Grade A
	>99	Excellent
Molecular Formula	C_3F_6O	

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