

Solvay Sulfuric Acid Oleum Technical Grade

Category : Fluid

Material Notes:

In a sealed container, oleum is a clear to slightly turbid, colorless to light yellow liquid. In ambient air, oleum reacts with water vapor to produce a dense white "smoke" of sulfuric acid aerosol. Formula: H₂SO₄ + Free SO₃ Nomenclature: Oleum Fuming Sulfuric Acid Pyrosulfuric Acid CAS: 8014-95-7 CAS Index: Sulfuric Acid, mixture with sulfur trioxide Composition: 20% oleum: 104.5% H₂SO₄ 25% oleum: 105.63% H₂SO₄ 30% oleum: 106.75% H₂SO₄ 45% oleum: 114.63% H₂SO₄ Available in: North America Uses: Chemical: In the manufacture of organic sulfonates, detergents, and lubricants; in nitrating mixtures; as a dehydrating agent; as an SO₃ source. Information provided by Rhodia, Rhodia has been acquired by Solvay.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-Sulfuric-Acid-Oleum-Technical-Grade.php

Physical Properties	Metric	English	Comments
Density	1.916 g/cc	0.06922 lb/in ³	20%
	@Temperature 60.0 °C	@Temperature 140 °F	
	1.935 g/cc	0.06991 lb/in ³	25%
	@Temperature 60.0 °C	@Temperature 140 °F	
1.952 g/cc	0.07052 lb/in ³	30%	
	@Temperature 60.0 °C	@Temperature 140 °F	
1.992 g/cc	0.07197 lb/in ³	65%	
	@Temperature 60.0 °C	@Temperature 140 °F	

Thermal Properties	Metric	English	Comments
Melting Point	0.560 °C	33.0 °F	65% Freezing Point
	1.12 °C	34.0 °F	20% Freezing Point
	13.89 °C	57.00 °F	25% Freezing Point
	21.68 °C	71.02 °F	30% Freezing Point

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