

Technical Bulletin**Inhibited Propylene Glycol**

Generic: 1,2 propanediol

DESCRIPTION

A relatively nontoxic liquid that is practically colorless, odorless, and tasteless.

APPLICATIONS

For blending of antifreeze products such as recreational vehicle antifreeze.

SALES SPECIFICATIONS

Property	Specifications	Test Method *
Appearance	Slightly hazy and free of suspended solids	ST-30.1
Chloride ion, ppm, max.	25	CST38.17
Color	Colorless	--
Freezing point, 50% vol.	-30°F (-34°C)	CST38.17
pH, 33% solution	9.5 – 10.5	D 1287
Phosphate ion, wt.%	0.74 – 0.90	CST38.17
Reserve alkalinity, ml	7.5 – 9.5	D 1121
Specific gravity, 60°F (15.6°C)	1.04 – 1.06	D 1122
Total other glycols, wt.%	1.0	CST35.14
Water, wt.%	4 max.	D 1123

* Methods of test are available from Huntsman upon request.

ADDITIONAL INFORMATION

Regulatory Information	
DOT Classification	Not regulated
Freight Classification	Propylene Glycol
HMIS Code	0-1-0
CAS Number: PG	57-55-6
Phosphoricacid, dipotassium salt	7758-11-4

Chemical Control Laws	
TSCA Inventory	Listed on or exempt
WHMIS Classification	Not regulated
Canadian DSL	Listed on or exempt
European EINECS	Listed on or exempt
Australian AICS	Listed on or exempt
Japanese MITI	Listed on or exempt

Physical Properties	
Boiling point, 760 mm Hg, °C	186
Flash point, PMCC, °F	100
Freezing point, °C	< -61
Refractive index, 20°C	N/A
Specific gravity, 20/20°C	1.05
Specific heat, 0°C, cal/gm/°C	N/A
Vapor pressure, 20°C, mm Hg	< 1
Viscosity, 40°C, cSt	< 20
Water solubility, %	> 10
Weight, 20°C, lb/gal	8.78

PRODUCT SAFETY POLICY

It is the product safety policy of Huntsman Corporation to provide our customers with information on the safe handling and use of our products. The Material Safety Data Sheet (MSDS) should always be read and understood thoroughly before handling the product, and adequate safety procedures should be followed. Information on the toxicity, environmental, and industrial hygiene aspects of our products may be found in the MSDS. Precautionary measures include: use only with adequate ventilation; avoid breathing vapor, mist or gas; avoid contact with eyes, skin and clothing; keep container closed; wash thoroughly after handling.

HANDLING, STORAGE, AND SHIPPING PRECAUTIONS

Propylene Glycol is a high-purity material, which must be handled with special precautions to avoid contamination. Under ordinary conditions, mild steel is a satisfactory material of construction; however, for long-term storage and where iron contamination and color are objectionable, stainless steel or aluminum vessels are recommended. For additional information on handling and storage of Propylene Glycol, please contact the Huntsman Technical Service Section. Product is available in barges, lined tank cars and dedicated tank trucks. Certain government regulations may apply at the time of shipment.

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For Your Protection**HEALTH AND SAFETY**

*The Safety and Health information in this data sheet does not contain sufficient detail for safe handling in all cases. For detailed safety and health information refer to the **Material Safety Data Sheet** for this product.*

EMERGENCY CALLS: Huntsman Emergency Response Center: 800-328-8501, 409-722-8381 / CHEMTREC - Spills, Leak, Fire 800-424-9300 (in USA and Canada)

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