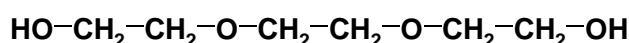


Technical Bulletin**Trippropylene Glycol, TPG
Acrylate Grade**

Generic: Trippropylene Glycol

STRUCTURE

3 (D1 - Me)

DESCRIPTION

Trippropylene Glycol is a co-product in the production process of monopropylene glycol.

APPLICATIONS

A chemical intermediate and solvent with a variety of applications.

SALES SPECIFICATIONS

Property	Specifications	Test Method *
Acidity (as acetic acid), wt.%	0.0030 max.	TM01-04
Aldehydes, ppm	20 max.	TM05-01
Appearance	Substantially free of suspended mater	TM10-02
Assay as TPG, wt.%	99.0 min.	TM05-05
Carbonyls, ppm	100 max.	TM05-02
Chlorides (inorganic) as Cl, ppm	5.0 max.	TM01-12
Color, APHA, Pt-Co	20 max.	TM01-01
Dipropylene glycol, wt.%	1.0 max.	TM05-05
Iron, ppm	1 max.	TM01-28
Peroxide, ppm	15 max.	TM05-03
Propylene glycol, wt.%	0.5 max.	TM05-05
Tetrapropylene glycol and heavier, wt.%	1.0 max.	TM05-05
Water content, wt.%	0.2 max.	TM01-05

* Methods of test are available from Huntsman upon request.

ADDITIONAL INFORMATION

Regulatory Information	
DOT Classification	Not regulated
Freight Classification	Trippropylene Glycol
HMIS Code	1-1-0
CAS Number	248-44-0

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 range ASTM, °C, IBP ASTM, °C, DP	263 min. 280 max.
Flash point, PMCC, °F	290
Freezing point, °C	-80°C, Supercools
Molecular weight	192
Refractive index, 25°C	1.454
Specific gravity, 25/25°C	1.0125 min. 1.0250 max.
Specific heat, 0°C, cal/gm/°C	0.547
Vapor pressure, 20°C, mm Hg	0.004
Viscosity, 20°C, cp	60.6
Water solubility, %	> 10
Weight, 20°C, lb/gal	8.67

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

Tripropylene Glycol, TPG – Acrylate Grade 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 Tripropylene Glycol, TPG, please contact the Huntsman Technical Service Section. Product is available in 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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