

# Technical Bulletin

## **HUNTSMAN**

### **PROPYLENE GLYCOL - USP** **Nutrient Content**

<b>GENERIC NAMES</b>	1,2 propanediol
<b>DESCRIPTION</b>	A relatively nontoxic liquid that is practically colorless, odorless, and tasteless.
<b>APPLICATIONS</b>	A solvent for flavors, extracts, drugs, and food antioxidants; a heat transfer medium; an emollient and humectant and plasticizer for tobacco products, baked goods, coconut, cellophane, cork, adhesives, and paper products; a lubricant and mold inhibitor for food processing equipment; a humectant for pet food.

#### **PROPYLENE GLYCOL** **NUTRIENT CONTENT**

Product Name (Generic): Propylene Glycol – U.S.P.  
Manufacturer : Huntsman Corporation  
10003 Woodloch Forrest Drive  
The Woodlands, TX 77380  
Company Representative: Jim Eyeington, Manager Supply Chain  
Phone: 281-719-4303 Fax: 281-719-4779

Nutritional information reported as is on a per 100 gram basis:

Total Calories*:	400 cal	Fat:	N.A.
Moisture:	0.2 g	Saturated:	N.A.
Protein:	N.A.	Unsaturated:	N.A.
Ash:	0.005 g	Cholesterol:	N.A.
Total Carbohydrates*:	100 g	Total Dietary Fiber:	N.A.
Vitamin A:	N.A.	Soluble:	N.A.
Vitamin C:	N.A.	Insoluble:	N.A.
Thiamin:	N.A.	Iron:	N.A.
Niacin:	N.A.	Calcium:	N.A.
Riboflavin:	N.A.	Sodium:	N.A.
		Potassium:	N.A.

\*This data is generated on a calculated basis based on 21CFR 101.9(c)(1) and 21 CFR 101.9(c) (6)

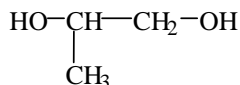
# PROPYLENE GLYCOL – USP

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## TYPICAL PROPERTIES

### Chemical Properties

Structure



Molecular Weight 76

### Physical Properties

Arsenic, ppm 1 max  
Boiling range,  
ASTM, °C, IBP 185 min.  
ASTM, °C, DP 189 max.  
Flash point, PMCC, °F 212  
Freezing point, °C <-76  
Refractive index, 20°C 1.4310 min.  
1.4330 max.  
Specific gravity, 25/25°C 1.0350 min.  
1.0370 max.  
Vapor pressure, 20°C, mm Hg <1  
Viscosity, 20°C, cp 60  
Water solubility, % >10  
Weight, 20°C, lb/gal 8.64

### Regulatory Information

DOT Classification not regulated  
Freight Classification propylene glycol  
HMIS Code 0-1-0  
CAS Number 57-55-6  
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.

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### **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**

Propylene Glycol USP 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 PG-USP, please contact the Huntsman Technical Service Section. Product is available in barges, lined tank cars and dedicated tank trucks, and 55-gallon non-returnable drums, 480 pounds net weight. Certain government regulations may apply at the time of shipment.