

# MATERIAL SAFETY DATA SHEET

Ashland

Page 001  
Date Prepared: 01/05/04  
Date Printed: 11/16/04  
MSDS No: 999.0001099-008.001

## PROPYLENE GLYCOL IND

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Material Identity

Product Name: PROPYLENE GLYCOL IND  
SAP Material No: 3900000 430 00A  
General or Generic ID: GLYCOL

#### Company

Ashland  
Ashland Distribution Co. &  
Ashland Specialty Chemical Co.  
P. O. Box 2219  
Columbus, OH 43216  
614-790-3333

#### Emergency Telephone Number:

1-800-ASHLAND (1-800-274-5263)  
24 hours everyday

#### Regulatory Information Number:

1-800-325-3751

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	% (by weight)
PROPYLENE GLYCOL	57-55-6	100.0

### 3. HAZARDS IDENTIFICATION

#### Potential Health Effects

##### Eye

May cause mild eye irritation. Symptoms include stinging, tearing, and redness.

##### Skin

May cause mild skin irritation. Symptoms may include redness and burning of skin. Although rare, skin contact with propylene glycol may cause allergic skin reaction (delayed skin rash which may be followed by blistering, scaling and other skin effects). Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.

##### Swallowing

Swallowing this material is not likely to be harmful.

##### Inhalation

It is possible to breathe this material under certain conditions of handling and use (for example, during heating, spraying, or stirring). Breathing small amounts of this material is not likely to be harmful.

##### Symptoms of Exposure

irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness).

##### Target Organ Effects

Overexposure to this material (or its components) has been suggested as a cause of the following effects in laboratory animals: kidney damage.

TEM-TEX SOLVENTS CORP.  
4208 S. GENERAL BRUCE DR.  
TEMPLE, TX 76502-4836  
(254) 778-8701

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RECEIVED

1-11-05

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### Hazardous Products of Combustion

May form: carbon dioxide and carbon monoxide, organic compounds.

### Fire and Explosion Hazards

No special fire hazards are known to be associated with this product.

### Extinguishing Media

alcohol foam, water fog, carbon dioxide, dry chemical.

### Fire Fighting Instructions

Water or foam may cause frothing which can be violent and possibly endanger the life of the firefighter. Water may be used to keep fire-exposed containers cool until fire is out. Wear a self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment. Refer to the personal protective equipment section of this MSDS.

### NFPA Rating

Health - 0, Flammability - 1, Reactivity - 0

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## 6. ACCIDENTAL RELEASE MEASURES

### Small Spill

Absorb liquid on vermiculite, floor absorbent or other absorbent material.

### Large Spill

Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source, dike area of spill to prevent spreading, pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay, earth, floor absorbent, or other absorbent material and shoveled into containers. Per good environmental management practices, prevent run-off to sewers, streams and other bodies of water. Stop spill at the source. Cover sewer grates and dike the spill. Absorb spilled material on to absorbents. Shovel materials into container. Close container tightly and dispose of properly.

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## 7. HANDLING AND STORAGE

### Handling

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. Warning. Sudden release of hot organic chemical vapors or mists from process equipment operating at elevated temperature and pressure, or sudden ingress of air into vacuum equipment, may result in ignitions without the presence of obvious ignition sources. Published "autoignition" or "ignition" temperature values cannot be treated as safe operating temperatures in chemical processes without analysis of the actual process conditions. Any use of this product in elevated temperature processes should be thoroughly evaluated to establish and maintain safe operating conditions.

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**Evaporation Rate**

< .01 (N-BUTYL ACETATE )

**Appearance**

CLEAR, VISCOUS

**State**

LIQUID

**Physical Form**

NEAT

**Color**

WATER-WHITE

**Odor**

SLIGHT/ODORLESS

**pH**

No data

**Viscosity**

46.0 cps

**Freezing Point**

< -76.0 F (-60.0 C)

**Molecular Weight**

76.1

**Solubility in Water**

COMPLETE

**Octanol/Water Partition Coefficient**

< 1.000

**Bulk Density**

1.160 lbs/ft3

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**10. STABILITY AND REACTIVITY**

**Hazardous Polymerization**

Product will not undergo hazardous polymerization.

**Hazardous Decomposition**

May form: carbon dioxide and carbon monoxide, organic compounds.

**Chemical Stability**

Stable.

**Incompatibility**

Avoid contact with: strong acids, strong bases, strong oxidizing agents.

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SARA 313 Components - 40 CFR 372.65

None

OSHA Process Safety Management 29 CFR 1910

None listed

EPA Accidental Release Prevention 40 CFR 68

None listed

International Regulations

Inventory Status

AICS (AUSTRALIA) The intentional ingredients of this product are listed.  
DSL (CANADA) The intentional ingredients of this product are listed.  
ECL (SOUTH KOREA) The intentional ingredients of this product are listed.  
EINECS (EUROPE) The intentional ingredients of this product are listed.  
ENCS (JAPAN) The intentional ingredients of this product are listed.  
IECSC (CHINA) The intentional ingredients of this product are listed.  
PICCS (PHILIPPINES) The intentional ingredients of this product are listed.

State and Local Regulations

California Proposition 65

None

Pennsylvania RTK Label Information

1,2-PROPANEDIOL

57-55-6

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16. OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.