

# MSDS

# Material Safety Data Sheet



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## Propylene Glycol

### SECTION 1 PRODUCT IDENTIFICATION

NAME: Propylene Glycol  
EKI ORDER NUMBERS: 7729, 7730  
SYNONYMS: 1,2-Propanediol  
CAS NO: 57-55-6  
FORMULA:  $C_3H_8O_2$   
REVISION DATE: May 3, 2004

#### \*\*\*\*LABEL HAZARD STATEMENT AND PRECAUTIONS\*\*\*\*

CAUTION! MAY CAUSE SKIN AND EYE IRRITATION. Avoid contact with skin, eyes and clothing. Keep container closed. Wash thoroughly after handling.

### SECTION 2 HAZARDOUS INGREDIENTS / EXPOSURE LIMITS

INGREDIENT	CAS NO	OSHA PEL	ACGIH TLV
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Propylene Glycol	57-55-6	NO EXPOSURE LIMITS ESTABLISHED	

### SECTION 3 PHYSICAL / CHEMICAL CHARACTERISTICS

SOLUBILITY IN WATER: Complete	BOILING POINT: 187.3C (760mm Hg)
VAPOR PRESSURE: 0.04 mm Hg @20 C	VAPOR DENSITY: 2.5 (air =1)
SPECIFIC GRAVITY: 1.038 20/20C	MELTING POINT: n/a
EVAPORATION RATE: 0.005 (Butyl Acetate =1)	
APPEARANCE AND ODOR: Water white liquid, mild odor	

### SECTION 4 FIRE / EXPLOSION HAZARD DATA

FLASH POINT: 214 F (101 C) Closed Cup  
FLAMMABLE LIMITS (UPPER AND LOWER): 2.6% to 12.6%  
EXTINGUISHING MEDIA: Alcohol type or all purpose foam for large fires; CO<sub>2</sub> or dry chemical media for small fires.  
SPECIAL FIRE FIGHTING PROCEDURES: Use self-contained breathing apparatus and protective clothing.  
UNUSUAL FIRE AND EXPLOSION HAZARDS: None

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## SECTION 5 REACTIVITY DATA

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STABILITY: Stable

CONDITIONS TO AVOID: None

MATERIALS TO AVOID: Avoid contamination with strong oxidizing agents

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Burning can produce carbon monoxide and/or carbon dioxide.

HAZARDOUS POLYMERIZATION: Will not occur

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## SECTION 6 HEALTH HAZARD DATA

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HEALTH HAZARDS (ACUTE AND CHRONIC): Available information shows no adverse effects from ingestion, inhalation, or skin absorption. Skin contact may cause minimal skin irritation seen as mild local redness. Eye contact may cause minimal irritation seen as slight excess redness of the conjunctiva.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: No information found.

CARCINOGENICITY: Not listed as a carcinogen

### \*\*\*\*FIRST AID PROCEDURES\*\*\*\*

EYES: Flush with water.

SKIN: Wash with soap and water.

INHALATION: Remove to fresh air.

INGESTION: No emergency care anticipated.

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## SECTION 7 PRECAUTIONS FOR SAFE HANDLING AND USE

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STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED: Small spills may be flushed with large amounts of water. Large spills should be collected for disposal. Laboratory studies indicate that this product is readily biodegradable in a biological wastewater treatment plant.

WASTE DISPOSAL METHOD: Incinerate in a furnace where permitted under appropriate Federal, State and local regulations.

STORAGE: Store tightly closed at 15-30C.

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## SECTION 8 CONTROL MEASURES

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VENTILATION: General (Mechanical)

RESPIRATORY PROTECTION: None expected to be needed

EYE PROTECTION: Safety glasses

GLOVES: PVC Coated

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