72-62-7620-01

# MATERIAL SAFETY DATA SHEET

Ashland Chemical Company
DIVISION OF ASHLAND OIL, INC.
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24-HOUR EMERGENCY TELEPHONE (606) 324-1133

Ashland

000817 PROPYLENE GLYCOL USP 

THIS MSDS COMPLIES WITH 29 CFR 1910.1200 (THE HAZARD COMMUNICATION STANDARD)

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PRODUCT NAME: PROPYLENE GLYCOL USP
CAS NUMBER: 57 55 6

LA CHEMICAL
4545 ARDINE
SOUTH GATE CA 90280

05 50 033 5119620-
DATA SHEET NO: 0001100-002
LATEST REVISION DATE: 03/86-86063
PRODUCT: 3903000
INVOICE: 177226
INVOICE DATE: 08/05/86
TO: LA CHEMICAL
4545 ARDINE
SOUTH GATE CA 90280

ATTN: PLANT MGR./SAFETY DIR.

## SECTION I-PRODUCT IDENTIFICATION

GENERAL OR GENERIC ID: GLYCOL

DOT HAZARD CLASSIFICATION: NOT APPLICABLE

## SECTION II-COMPONENTS

| INGREDIENT | % (BY WT) | PEL | TLV | NOTE |
|---|---|---|---|---|
| PROPYLENE GLYCOL<br>CAS #: 57-55-6 | >95 | | | ( 1) |

( 1): PEL/TLV NOT ESTABLISHED FOR THIS MATERIAL

MANUFACTURER RECOMMENDS EXPOSURE LEVEL TO PROPYLENE GLYCOL OF 10 MG/M3 AEROSOL, 400 PPM VAPOR.

## SECTION III-PHYSICAL DATA

| PROPERTY | REFINEMENT | MEASUREMENT |
|---|---|---|
| BOILING POINT | FOR PRODUCT | 370.00 DEG F<br>( 187.77 DEG C)<br>@ 760.00 MMHG |
| VAPOR PRESSURE | FOR PRODUCT | < 0.04 MMHG<br>@ 68.00 DEG F<br>( 20.00 DEG C) |
| SPECIFIC VAPOR DENSITY | | HEAVIER THAN AIR |
| SPECIFIC GRAVITY | | 1.038<br>@ 68.00 DEG F<br>( 20.00 DEG C) |
| PERCENT VOLATILES | | 100.00% |
| EVAPORATION RATE | (N-BUTYL ACETATE = 1) | < .01 |

## SECTION IV-FIRE AND EXPLOSION INFORMATION

FLASH POINT(TCC ) 214.0 DEG F
( 101.1 DEG C)

EXPLOSIVE LIMIT (PRODUCT) LOWER - 2.6%

EXTINGUISHING MEDIA: ALCOHOL FOAM OR CARBON DIOXIDE OR DRY CHEMICAL

HAZARDOUS DECOMPOSITION PRODUCTS: MAY FORM TOXIC MATERIALS:, CARBON DIOXIDE AND CARBON MONOXIDE, ETC.

FIREFIGHTING PROCEDURES: WEAR SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED IN PRESSURE-DEMAND OR OTHER POSITIVE PRESSURE MODE WHEN FIGHTING FIRES.

WATER OR FOAM MAY CAUSE FROTHING WHICH CAN BE VIOLENT AND POSSIBLY ENDANGER THE LIFE OF THE FIREFIGHTER, ESPECIALLY IF SPRAYED INTO CONTAINERS OF HOT, BURNING LIQUID.

SPECIAL FIRE & EXPLOSION HAZARDS: NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUM (EVEN EMPTY) BECAUSE PRODUCT (EVEN JUST RESIDUE) CAN IGNITE EXPLOSIVELY.

NFPA CODES: HEALTH- 0 FLAMMABILITY- 1 REACTIVITY- 0

## SECTION V-HEALTH HAZARD DATA

PERMISSIBLE EXPOSURE LEVEL: NOT ESTABLISHED.

EFFECTS OF ACUTE OVEREXPOSURE: FOR PRODUCT

EYES - MAY CAUSE IRRITATION.
SKIN - MAY CAUSE IRRITATION.
BREATHING - OF MIST CAN CAUSE IRRITATION OF NASAL AND RESPIRATORY PASSAGES.
SWALLOWING - CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, AND DIARRHEA.

FIRST AID: