

UNION CARBIDE CORP -- PROPYLENE GLYCOL, TECHNICAL -- 6810-01-181-7121

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Product Identification
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Product ID:PROPYLENE GLYCOL, TECHNICAL

MSDS Date:10/12/1990

FSC:6810

NIIN:01-181-7121

MSDS Number: BJZLK

=== Responsible Party ===

Company Name:UNION CARBIDE CORP

Address:39 OLD RIDGEBURY RD

City:DANBURY

State:CT

ZIP:06817-0001

Country:US

Info Phone Num:800-822-4357 OR 304-744-3487

Emergency P

hone Num:800-822-4357 OR 304-744-3487

CAGE:6M841

=== Contractor Identification ===

Company Name:MAGNOLIA CHEMICALS AND SOLVENTS

Address:1020 SAMS AVENUE

Box:10276

City:NEW ORLEANS

State:LA

ZIP:70181-0278

Country:US

Phone:504-733-6600

CAGE:0LNB7

Company Name:UNION CARBIDE CORP

Address:OLD RIDGEBURY RD

Box:City:DANBURY

State:CT

ZIP:06817

Country:US

CAGE:6M841

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Composition/Information on Ingredients
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Ingred Name:PROPYLENE GLYCOL

CAS:57-55-6

RTECS #:TY2000000

Fraction b

y Wt: 100%

Other REC Limits:NONE SPECIFIED

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===== Hazards Identification =====

LD50 LC50 Mixture:ORAL RAT LD50: 20 GM/KG

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:LIQUID IS IRRITATING TO EYES. VAPOR
MAY CAUSE EYE IRRITATION. LIQUID IS SLIGHTLY IRRITATING TO SKIN.
PROLONGED OR REPEATED CONTACT CAN RESULT IN ALLERGIC SKIN REACTION.
NO EVIDENCE OF ADVERSE E
FFECTS FROM SWALLOWING, SKIN ABSORPTION OR
INHALATION.

Explanation of Carcinogenicity:THIS PRODUCT IS NOT LISTED BY IARC, NTP
OR OSHA AS A CARCINOGEN, MUTAGEN, TERATOGEN OR NEUROTOXIN.

Effects of Overexposure:MAY CAUSE EYE AND SKIN IRRITATION.

Medical Cond Aggravated by Exposure:A KNOWLEDGE OF THE AVAILABLE
TOXICOLOGY INFORMATION AND THE PHYSICAL AND CHEMICAL PROPERTIES OF
THE MATERIAL SUGGESTS THAT OVEREXPOSURE IS UNLIKELY TO AGGRAVATE
EXISTING MEDICAL CONDITIONS.

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===== First Aid Measures =====

First Aid:EYES: FLUSH WITH RUNNING WATER FOR 15 MINUTES WHILE HOLDING
EYELIDS OPEN. SKIN: WASH WITH SOAP AND WATER. REMOVE CONTAMINATED
CLOTHING. INHALATION: REMOVE TO FRESH AIR. INGESTION: NO EMERGENCY
CARE ANTICIPATED. NOTES TO PHYSICIAN: THERE ISNO SPECIFIC
ANTIDOTE. TREATMENT OF OVEREXPOSURE SHOULD BE DIRECTED AT THE
CONTROL OF SYMPTOMS AND THE CLINICAL CONDITION OF THE PATIENT.

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===== Fire Fi
ghting Measures =====

Flash Point Method:TCC

Flash Point:214F,101C

Autoignition Temp:Autoignition Temp Text:700F

Lower Limits:2.6

Upper Limits:12.5

Extinguishing Media:USE ALCOHOL-TYPE OR ALL PURPOSE-TYPE FOAMS FOR
LARGE FIRES. USE CARBON DIOXIDE OR DRY CHEMICAL MEDIA FOR SMALL
FIRES.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A
FULL FACED SELF CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:NONE

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===== Accidental

Release Measures =====

Spill Release Procedures:SMALL SPILLS COULD BE FLUSHED WITH LARGE AMOUNTS OF WATER. LARGER SPILLS SHOULD BE COLLECTED FOR DISPOSAL. LABORATORY STUDIES INDICATE THAT THIS PRODUCT IS READILY BIODEGRADABLE IN A BIOLOGICAL WASTEWATER TREATMENT PLANT.
Neutralizing Agent:NONE

===== Handling and Storage =====

Handling and Storage Precautions:WARNING! MAY CAUSE ALLERGIC SKIN REACTION. AVOID CONTACT WITH SKIN AND CLOTHING. WASH THOROUGHLY AFTER HANDLING. FOR INDUSTRIAL USE ONLY.
Other Precautions: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 IGNITION SOURCES.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:NONE EXPECTED TO BE NEEDED.
Ventilation:MECHANICAL(GENERAL) ROOM VENTILATION IS EXPECTED TO BE SATISFACTORY.
Protective Gloves:PVC-COATED
Eye Protection:SAFETY GLASSES
Other Protective Equipment:EMERGENCY EYE WASH AND SAFETY SHOWER.
Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING, DRINKING OR SMOKING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.
Supplemental Safety and Health
AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO NOT BREATHE VAPORS OR MIST. DO NOT INGEST. READ PRECAUTIONS ON LABEL
BEFORE USE.

===== Physical/Chemical Properties =====

HCC:N1
Boiling Pt:B.P. Text:369F,187C
Melt/Freeze Pt:M.P/F.P Text:-76F,-60C
Vapor Pres:0.04
Vapor Density:2.6
Spec Gravity:1.038
Evaporation Rate & Reference:0.005
Solubility in Water:COMPLETE
Appearance and Odor:CLEAR, COLORLESS LIQUID. MILD ODOR
Percent Volatiles by Volume:100

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENT

NTS

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:BURNING CAN PRODUCE CARBON MONOXIDE AND/OR CARBON DIOXIDE. CARBON MONOXIDE IS HIGHLY TOXIC IF INHALED.

===== Disposal Considerations =====

Waste Disposal Methods:INCINERATE IN A FURNACE WHERE PERMITTED UNDER APPROPRIATE LOCAL, STATE AND FEDERAL REGULATIONS.

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