

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - MANUFACTURER INFORMATION

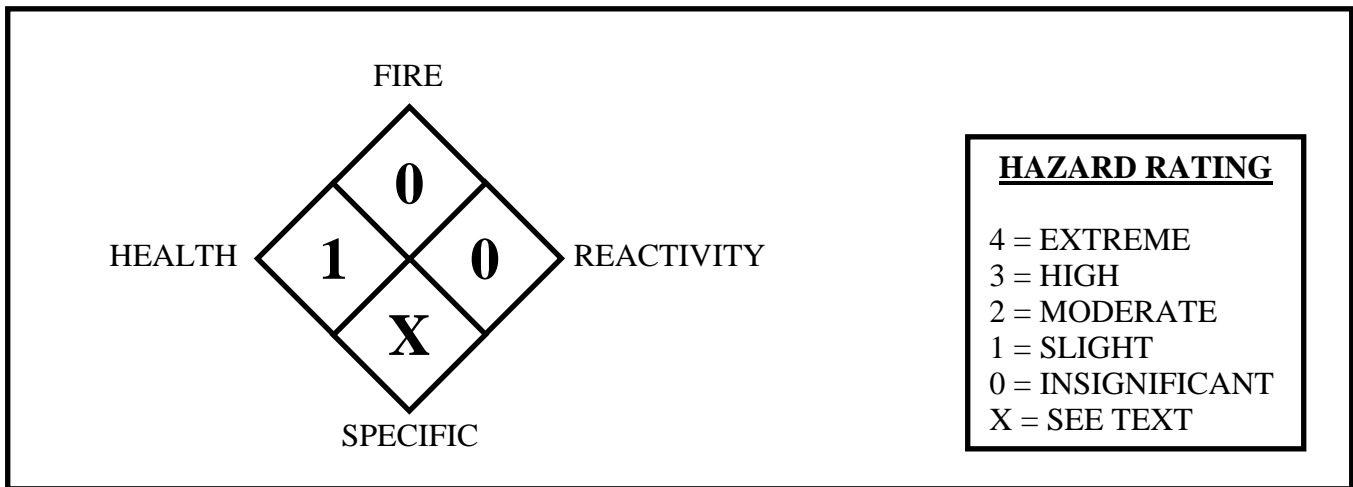
MANUF / DIST: DETAILS MANUFACTURING & DISTRIBUTING  
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AMES, IOWA 50010

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MEDICAL/CHEMICAL EMERGENCY 24 HOURS INFOTRAC 800-535-5053

TRADE NAME / SYNONYMS. . . : PEARL  
CHEMICAL NAME / SYNONYMS: NOT APPLICABLE  
CHEMICAL FAMILY. . . . . : NOT APPLICABLE  
FORMULA. . . . . : Proprietary  
PRODUCT CODE. . . . . : P1,5,55

## HAZARDOUS MATERIAL IDENTIFICATION SYSTEM:



## SECTION 2 - HAZARDOUS INGREDIENTS

NAMES OF HAZARDOUS INGREDIENTS: See CFR29§1910.1200 (i)-(13)

CHEMICAL / COMMON NAME	CAS#	PERCENTAGE	PEL-OSHA	TLV-ACGIH
Ethylene Glycol	107-21-1	>1	NE	50PPM

THIS PRODUCT DOES **NOT** CONTAIN CARCINOGENS: (NTP, IARC, OSHA):

# MATERIAL SAFETY DATA SHEET

## SECTION 3 - HEALTH HAZARD DATA

### HEALTH EFFECTS (Acute and Chronic):

#### \*Acute\*:

- a) Eyes - Can cause severe irritation, redness, tearing, blurred vision.
- b) Skin - Prolonged or repeated contact can cause moderate irritation, defatting, dermatitis.
- c) Inhalation - Mild irritation.
- d) Ingestion - Can cause gastro-intestinal irritation, nausea, vomiting and diarrhea.

#### \*Chronic\*

- a) Inhalation may increase susceptibility to respiratory illness.

### PRIMARY ROUTES OF ENTRY:

- a) Skin
- b) Inhalation

### MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Pre-existing skin, eye and respiratory disorders may be aggravated by exposure to product.

### EMERGENCY FIRST AID PROCEDURES:

- a) Skin - Immediately flush skin with lots of running water for at least 30 minutes. Remove contaminated clothing and shoes. Wash before reuse.
- b) Eyes - Flush immediately with large quantities of running water for at least 15 minutes. Consult Physician.
- c) Inhalation - If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm, quiet and get medical attention.
- d) Ingestion - Do not induce vomiting. call physician immediately. If conscious give lots of water or milk. Do not give anything by mouth to an unconscious or convulsing person.

## SECTION 4 - CHEMICAL DATA

BOILING POINT (F) . . . . . : >212  
VAPOR PRESSURE (mmHg) : < 25  
VAPOR DENSITY (AIR=1) : 1

SPECIFIC GRAVITY (WATER=1) . . . . . : 1.00  
PERCENT VOLATILE BY VOLUME (%) . . . : 78.00  
EVAPORATION RATE (WATER=1) . . . . . : <1

SOLUBILITY IN WATER: 100%

# MATERIAL SAFETY DATA SHEET

APPEARANCE AND ODOR INFORMATION: Slightly opaque milky liquid.

## SECTION 5 - FIRE + PHYSICAL HAZARD DATA

FLASH POINT (Method Used): None                      FLAMMABLE LIMITS: LEL= N/A    UEL=N/A

### EXTINGUISHING MEDIA:

Product is not a fire hazard, but it's residue can burn, after water evaporates. In case of fire use water spray, carbon dioxide, alcohol type foam applied by manufactures recommended techniques. \*see additional comments

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

### INCOMPATIBILITY ( Material To Avoid ):

Salt solutions or acids may coagulate the product.

### HAZARDOUS DECOMPOSITION PRODUCTS:

After water evaporates, residue may burn to give oxides of carbon and traces of hydrocarbons.

HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

THIS PRODUCT IS STABLE.

## SECTION 6 - SPILL OR LEAK PROCEDURES

### STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Avoid contact with alkalis, glass, concrete and other silicone containing materials, metals and many other materials including rubber, leather, and certain organic substances.

### WASTE DISPOSAL METHODS:

Dispose of according to local, state and federal regulations for products containing organic polymers.

## SECTION 7 - EXPOSURE CONTROL INFORMATION

### VENTILATION:

LOCAL EXHAUST: Below TLV(s)

MECHANICAL (General) : Explosion Proof

SPECIAL . . . . . : N/A

OTHER . . . . . : N/A RESPIRATORY

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## PROTECTION:

An appropriate NIOSH hydrocarbon canister or respirator for organic vapor should be worn if needed.

## PROTECTIVE GLOVES:

Wear - resistant gloves such as nitrile rubber, PVC, etc.

## OTHER PROTECTIVE EQUIPMENT:

Eye wash and quick drench facilities. OTHER ENGINEERING CONTROLS: None Known

## WORK PRACTICES:

Eye wash fountain and safety shower should be accessible. Discard properly such items as rags and trash soaked with the product. Provide adequate ventilation.

## HYGIENIC PRACTICES:

Avoid contact with eyes, skin and clothing. Avoid inhalation of product vapors. Wash thoroughly after handling and before eating, drinking or smoking. Remove contaminated clothing promptly and wash thoroughly before reused.

## SECTION 8 - SPECIAL PRECAUTION

### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

- a) Do not store under freezing conditions or above 120 degrees F.
- b) Do not store near acids or acidic materials and oxidizers.

### MAINTENANCE PRECAUTIONS:

When working with FLAMMABLE material electrically ground all equipment and use only non-sparking tools.

### OTHER PRECAUTIONS:

Containers, even those that have been emptied will retain product residue and vapors. Always obey hazard warnings.

### OTHER ADDITIONAL COMMENTS:

\* Extinguishing Media:

Keep containers cool with water spray using fog nozzles.

SHIPPING INFO, UN/NA #'s, Secondary container label INFO NECESSARY OR SUGGESTED:

**KEEP OUT OF THE REACH OF CHILDREN!**

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