

# MATERIAL SAFETY DATA SHEET

## HAZARD RATINGS

Health: 1  
Flammability: 1  
Reactivity: 0  
Personal Protection: B

NOTICE: Judgment may be based on indirect test and technical literature. The OSHA Hazard Communication Standard only requires MSDS's and special labeling for materials defined as "HAZARDOUS"; see 29 CFR 1910.1200 (c). This document may be about a product which is NOT hazardous but is provided as information for our customers. See references for information.

## SECTION I.

### PRODUCT IDENTIFICATION

Product Identifier: Protector 25  
Product VOC: 63.4 g/L  
Manufactured by: Kor-Chem, Inc.  
Manufactured for: Polymer Concepts, Inc.  
7425 Colony Court  
Cumming, GA 30041  
Phone: 678-802-6018

Product Identification #(PIF): 801  
Emergency Telephone #: 1-800-255-3924  
General Information #: 404-344-9580  
Prepared by: Sonya Lockhart  
Date Prepared: April 28, 2004

## SECTION II.

### HAZARDOUS INGREDIENTS

	CAS #	OSHA/PEL	TLV	STEL	max. %
1. Diethylene glycol monoethyl ether	111-90-0	NE	NE	NE	8
2. Ammonium hydroxide	1336-21-6	25 ppm	50 ppm	35 ppm	3

## SECTION III.

### HEALTH HAZARD INFORMATION

.....Primary Routes of Entry: X Skin Absorption X Eyes    Inhalation    Ingestion

#### ♦ Effects of overexposure:

- Eye Contact: May cause eye irritation. If irritation persists, seek medical help.
- Skin Contact: May cause mild irritation.
- Inhalation: High vapors or mists may be harmful. May cause blood changes leading to aplastic anemia, kidney and liver damage.
- Ingestion: Induce vomiting if conscious. Get medical help.

## SECTION IV.

### EMERGENCY FIRST AID

- ♦ Eyes: Flush well with water for at least 15 minutes. Get medical help.
- ♦ Skin: Wash well with soap and water.
- ♦ Inhalation: Move to fresh air.
- ♦ Ingestion: Contact physician, medical facility or poison control for advice on whether to induce vomiting.

## SECTION V.

### FIRE & EXPLOSION DATA

Flammability: NOT FLAMMABLE

Means of extinction: Water spray, dry chemicals.

Autoignition Temperature: NA

Hazardous combustion products: Carbon monoxide, carbon dioxide.

♦ Special Fire Fighting Procedures: Wear self-contained breathing apparatus; avoid breathing vapor (fumes) of heated product.

♦ Unusual Fire Fighting Hazard: NONE.

Flash Point: Above 200° F

Upper Flammability Limit (% by volume): NA

Lower Flammability Limit (% by volume): NA

## SECTION VI.

### REACTIVITY DATA

Chemical stability: Stable

Hazardous polymerization: Will not occur.

Incompatibility with other substances: Acids, acid anhydrides, strong alkalies, strong oxidizing agents, cationic material.

Conditions to avoid: Heat, flames and sparks.

Hazardous decomposition products: Thermal decomposition: Carbon dioxide, and carbon monoxide.

## SECTION VII.

### HANDLING & STORAGE

Storage: Keep container closed, when not in use. Keep away from heat, flame, or sunlight. Protect from physical damage.

Protect from freezing.

Handling: Do not premix with other chemicals. Exercise reasonable care and precaution. Keep out of reach of children.

## SECTION VIII.

### EXPOSURE CONTROL/PERSONAL PROTECTION

Personal protective equipment: Use rubber gloves and eye protection.

Gloves (specify): Chemical resistant gloves

Eye (specify): Chemical resistant eye ware

Clothing (specify): Normal materials handling clothing.

Respirator (specify): NA

Footwear (specify): Chemical resistant shoes

Other: Always provide adequate ventilation.

## **SECTION IX.**

### **SPECIAL PRECAUTIONS/ OTHER COMMENTS**

Carefully read all instructions on label before handling this product. "FOR INDUSTRIAL USE ONLY" Protect from freezing.

## **SECTION X.**

### **PHYSICAL DATA**

Boiling point: >212°F

Specific Gravity, (water + 1.0): 1.037

% Volatile/ volume: 74%

Solubility: Complete

Description/odor: White, opaque liquid with characteristic odor.

Vapor Density: (Air = 1): ND

pH, Neat: 8.6

Vapor Pressure: ND

Evaporation Rate: ND

## **SECTION XI.**

### **TOXICOLOGICAL INFORMATION**

♦ Effects of acute exposure to product: May result in temporary eye and skin irritation.

♦ Effects of chronic exposure to product: May cause blood changes leading to aplastic anemia, kidney and liver damage.

## **SECTION XII.**

### **ECOLOGICAL INFORMATION**

NOT DETERMINED.....

## **SECTION XIII.**

### **ACCIDENTAL RELEASE MEASURES/ DISPOSAL INFORMATION**

Large spills cannot occur because of packaging. Material should be soaked onto absorbent and shoveled into metal waste containers. Dispose of contaminated absorbent material in accordance to local, state and federal regulations. Do not release to open, public waters.

## **SECTION XIV.**

### **TRANSPORT INFORMATION**

Not Regulated.

## **SECTION XV.**

### **REGULATORY INFORMATION**

#### **SARA TITLE II REPORTING REQUIREMENTS**

SECTION 302: Not listed

SECTION 311: Immediate, Delayed Health

SECTION 312: Immediate, Delayed Health

SECTION 313: Listed (Diethylene glycol monoethyl ether)

CERCLA: Not applicable

RCRA: Not listed.

## **SECTION XVI.**

### **ADDITIONAL INFORMATION**

NONE.....

**The information contained herein is based on data available to us and is believed to be correct. We make no warranty, however, expressed or implied regarding the accuracy of these data or the results obtained from the use thereof.**

**Regulatory Standards:** DOT TITLE 49, Code of Federal Regulations 172.101: Parts 100 to 177, Revised 10/1/92.

SUPER FUND AMENDMENTS REAUTHORIZATION ACT OF 1986, TITLE III TOXIC SUBSTANCE CONTROL ACT LIST (TSCA)-  
INGREDIENTS LISTED. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES NATIONAL TOXICOLOGICAL PROGRAM  
(NTP) REPORT OF CARCINOGENS INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) MONOGRAPHS,  
OCCUPATIONAL SAFETY & HEALTH REGULATIONS. CODE OF FED. REGS. FOOD & DRUG, 21 PARTS 170 to 199, Revised 4/1/91,  
173.310.