

MATERIAL SAFETY DATA SHEET

HAZARD RATINGS

Health: 3

Flammability: 2

Reactivity: 1

Personal Protection: C

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: HD Strip
Product VOC: 12.3%
Manufactured by: Kor-Chem, Inc.
Manufactured for: Polymer Concepts, Inc.
7425 Colony Court
Cumming, GA 30041
Phone: 678-802-6018

Product Identification #(PIF): 370
Emergency Telephone #: 1-800-255-3924
General Information #: 404-344-9580
Prepared by: Sonya Lockhart
Date Prepared: February 4, 2005

SECTION II.

HAZARDOUS INGREDIENTS

	CAS #	OSHA/PEL	TLV	STEL	max. %
1. Ethylene glycol monobutyl ether	111-76-2	50 ppm	20 ppm	ND	4-8
2. Potassium Hydroxide	1310-58-3	2mg/m ³	2mg/m ³	NE	0-4
3. Monoethanolamine	141-43-5	3 ppm	3 ppm	6 ppm	0-4
4. Isopropyl alcohol	67-63-0	400 ppm	400 ppm	NE	0-4

SECTION III.

HEALTH HAZARD INFORMATION

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

♦ *Effects of overexposure:*

- Eye Contact: Corrosive to eyes.
- Skin Contact: Corrosive to body tissues. Dermatitis may result from repeated exposure.
- Inhalation: May cause irritation to the respiratory tract tissues. High vapor concentrations may cause CNS depression
- Ingestion: May cause irritation and /or burning to the entire gastrointestinal tract; nausea, headache, dizziness, pain bleeding and ulceration. Low to moderately toxic.

SECTION IV.

EMERGENCY FIRST AID

- ♦ *Eyes:* Flush well with water for at least 15 minutes. If irritation persists, seek medical help.
- ♦ *Skin:* Wash with soap and water. If irritation persists, seek medical help.
- ♦ *Inhalation:* Move to fresh air.
- ♦ *Ingestion:* Drink lots of water to dilute, **DO NOT INDUCE VOMITING.** Get medical help.

SECTION V.

FIRE & EXPLOSION DATA

Flammability: COMBUSTIBLE
Means of extinction: Water spray, dry chemicals, CO₂.
Autoignition Temperature: ND
Hazardous combustion products: Oxides of carbon and nitrogen, ammonia. May form peroxides in the presence of air.
♦ *Special Fire Fighting Procedures:* Wear NIOSH approved pressure self-contained breathing apparatus and full protective clothing.
♦ *Unusual Fire Fighting Hazard:* Contact with some metals, particularly magnesium, aluminum, and zinc (galvanized), can generate hydrogen rapidly, which is explosive. Vapors can travel to a source of ignition and flash back.

SECTION VI.

REACTIVITY DATA

Chemical stability: Stable
Hazardous polymerization: Will not occur.
Incompatibility with other substances: Strong oxidizing agents, concentrated acids, organic material, ammonia, chlorates, chlorine, metals, ethylene oxide, acetaldehyde, isocyanates, and various food sugar.
Reactivity, and under what conditions? Reaction with various sugars may form carbon monoxide. When added to water, produces a tremendous amount of heat. Avoid all sources of ignition.
Hazardous decomposition products: Oxides of carbon and nitrogen, ammonia. May form peroxides in the presence of air.

SECTION VII.

HANDLING & STORAGE

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

Gloves (specify): Chemical resistant gloves

Respirator (specify): NIOSH, if ventilation inadequate

Eye (specify): Chemical resistant eye ware

Footwear (specify): Chemical resistant shoes

Clothing (specify): Apron

Other: Safety shower/eyewash in immediate area.

Always provide adequate ventilation.

SECTION IX.

SPECIAL PRECAUTIONS/ OTHER COMMENTS

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

SECTION X.

PHYSICAL DATA

Boiling point: >212°F

Specific Gravity, (water + 1.0): 1.025

% Volatile/ volume: 94.5%

Solubility: Complete

Description/odor: Clear green liquid with butyl odor.

Vapor Density: (Air = 1): ND

pH, Neat: 13.5

Vapor Pressure: ND

Evaporation Rate: ND

SECTION XI.

TOXICOLOGICAL INFORMATION

◆ Effects of acute exposure to product: Corrosive to eyes and skin.

◆ Effects of chronic exposure to product: Prolonged skin contact may result in defatting of the skin, which can lead to dermatitis. High vapor concentrations may result in CNS depression.

SECTION XII.

ECOLOGICAL INFORMATION

Ethylene glycol monobutyl ether: Biodegradable. Not significantly toxic to fish and aquatic invertebrates.

SECTION XIII.

ACCIDENTAL RELEASE MEASURES/ DISPOSAL INFORMATION

Large spills cannot occur because of packaging. Eliminate all ignition sources. Dam up spills with inert material and neutralize with mild acid such as citric acid. Neutralized material should be soaked onto absorbent and shoveled into 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

Hazardous according to Table 49 CFR 172.101: **CORROSIVE LIQUID, N.O.S., (Potassium Hydroxide), 8, UN1760, II.**

SECTION XV.

REGULATORY INFORMATION

SARA TITLE III REPORTING REQUIREMENTS

SECTION 302: Not listed

SECTION 311: Acute and Chronic Health and Fire hazard

SECTION 312: Acute and Chronic Health and Fire hazard

SECTION 313: Listed (Ethylene Glycol Monobutyl Ether, Isopropanol, Diethanolamine)

CERCLA: This product has a RQ of 72,012 lb (32,694 kg) as Potassium Hydroxide and 80,995 lb (36,772 kg) as Ethylene Glycol Monobutyl Ether.

RCRA: A waste containing this product may have the RCRA hazardous waste no. D002 (Corrosive) and D001 (Ignitable) (40 CFR 261.22)

SECTION XVI.

ADDITIONAL INFORMATION

OSHA List (29 FR 1910.1200) as hazardous chemical.

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.