

MATERIAL SAFETY DATA SHEET

HAZARD RATINGS

Health: 3
Flammability: 1
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: Coilene
Product VOC: 28.6 g/l
Manufactured By: Kor-Chem, Inc.
5800 Bucknell Drive
Atlanta, GA 30336

Product Identification #(PIF): 043
Emergency Telephone #: 1-800-255-3924
General Information #: 404-344-9580
Prepared by: Sonya Lockhart
Date Prepared: March 17, 2003

SECTION II.

HAZARDOUS INGREDIENTS

	CAS #	OSHA/PEL	TLV	STEL	max. %	
1. Potassium Hydroxide	1310-58-3		2mg/m ³	2mg/m ³	NE	2 - 8
2. Sodium Metasilicate	6834-92-0		2mg/m ³	2mg/m ³	NE	2 - 8
3. Ethylene Glycol Butyl Ether	111-76-2	50 ppm/skin		25 ppm	NE	2 - 8

SECTION III.

HEALTH HAZARD INFORMATION

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

◆ *Effects of overexposure:*

- Eye Contact: Corrosive.
- Skin Contact: Corrosive to body tissues. Dermatitis may result from repeated exposure.
- Inhalation: May result in varying degrees of irritation to the respiratory tract tissues and CNS depression.
- Ingestion: May cause irritation and /or burning to the entire gastrointestinal tract; nausea, CNS depression, pain, bleeding, kidney and liver damage and ulceration.

SECTION IV.

EMERGENCY FIRST AID

- ◆ *Eyes:* Flush well with water for at least 15 minutes. Get medical help if irritation persists.
- ◆ *Skin:* Wash with soap and water.
- ◆ *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: NOT FLAMMABLE
Means of extinction: Water spray, dry chemicals, CO₂.
Auto-ignition Temperature: NA
Hazardous combustion products: Carbon monoxide, carbon dioxide.

Flash Point: Above 200° F
Upper Flammability Limit (% by volume): NA
Lower Flammability Limit (% by volume): NA

- ◆ *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.

SECTION VI.

REACTIVITY DATA

Chemical stability: Stable
Hazardous polymerization: Will not occur.
Incompatibility with other substances: Concentrated acids, strong oxidizing agents, magnesium, aluminum, zinc (galvanized), tin, chromium, brass and bronze, 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. Prolonged contact with metals may produce flammable hydrogen gas.
Hazardous decomposition products: Carbon monoxide, carbon dioxide.

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 and eye protection.

Gloves (specify): Chemical resistant gloves

Eye (specify): Chemical resistant eye ware

Clothing (specify): Apron

Respirator (specify): NA

Footwear (specify): Chemical resistant shoes

Other: Safety shower/eyewash in immediate area.

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: >212⁰F

Specific Gravity, (water + 1.0): 1.06

% Volatile/ volume: 82%

Solubility: Complete

Description/odor: Clear yellow liquid with butyl odor.

Vapor Density: (Air = 1): ND

pH, Neat: 13.1

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: Dermatitis may result from repeated exposure. May cause blood changes leading to aplastic anemia, kidney and liver damage.

SECTION XII. ECOLOGICAL INFORMATION

LC50 (96 hour) (Mosquitofish) = 530 mg/L, LC50 (48 hour) (Water Flea) = 113 mg/L

SECTION XIII. ACCIDENTAL RELEASE MEASURES/ DISPOSAL INFORMATION

Large spills cannot occur because of packaging. Dam up spills with inert material, neutralize with mild acid such as citric acid, then wash to drain, according 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: Immediate, Delayed Health Hazard

SECTION 312: Immediate, Delayed Health Hazard

SECTION 313: Listed (Ethylene Glycol Butyl Ether)

CERCLA: This product has a RQ of 44,444 lb (20,178 kg) as Potassium Hydroxide.

RCRA: A waste containing this product may have the RCRA hazardous waste no. D002 (Corrosive) (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.