

MATERIAL SAFETY DATA SHEET

HAZARD RATINGS
Health: 2
Flammability: 2
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: Micro Clean
Product VOC: 3.5%
Manufacturer's Name: Kor-Chem, Inc.
Manufactured for: Polymer Concepts, Inc.
705 Hembree Place, Suite A
Roswell, GA 30076
Phone: 678-802-6018

Product Identification #(PIF): 2777
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. Isopropyl alcohol	67-63-0	400 ppm	400 ppm	NE	0-4
2. Dipropylene glycol methyl ether	34590-94-8	NE	100 ppm	150 ppm	0-4

SECTION III.

HEALTH HAZARD INFORMATION

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

♦ *Effects of overexposure:*

- Eye Contact: Liquid may cause eye irritation with redness, and tearing.
- Skin Contact: Moderately irritating to the skin. Prolonged or repeated contact may result in dermatitis.
- Inhalation: High vapor concentrations may cause irritation to nose, throat, and respiratory tract, CNS depression.
- Ingestion: Swallowing large amounts may be harmful. May cause diarrhea, nausea and vomiting, irritation of mouth and throat, and CNS depression.

SECTION IV.

EMERGENCY FIRST AID

- ♦ *Eyes:* Flush well with water for at least 15 minutes.
- ♦ *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: COMBUSTIBLE
Means of extinction: Water spray, dry chemicals, CO₂.
Auto-ignition Temperature: ND
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:* Vapors of heated product are heavier than air and may travel to ignition sources.

Flash Point: 145⁰F
Upper Flammability Limit (% by volume): ND
Lower Flammability Limit (% by volume): ND

SECTION VI.

REACTIVITY DATA

Chemical stability: Stable
Hazardous polymerization: Will not occur.
Incompatibility with other substances: Strong oxidizing agents, acetaldehyde, acids, chlorine, ethylene oxide, isocyanates.
Conditions to avoid: Heat, static electricity, sparks and flames.
Hazardous decomposition products: 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.
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): No open end shoes

Other: NONE

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): 1.005

% Volatile/ volume: 93.8%

Solubility: Complete

Description/odor: Clear, colorless liquid with apple odor.

Vapor Density: (Air = 1): ND

pH, Neat: 9.61

Vapor Pressure: ND

Evaporation Rate: ND

SECTION XI.

TOXICOLOGICAL INFORMATION

♦ Effects of acute exposure to product: Liquid and vapor irritating to eyes, skin and respiratory tract.

♦ Effects of chronic exposure to product: Prolonged or repeated exposure to skin may result in dermatitis. Prolonged or repeated inhalation or ingestion may result in kidney and liver changes.

SECTION XII.

ECOLOGICAL INFORMATION

NOT DETERMINED.....

SECTION XIII.

ACCIDENTAL RELEASE MEASURES/ DISPOSAL INFORMATION

Large spills cannot occur because of packaging. Eliminate all ignition sources. 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

Hazardous according to Table 49 CFR 172.101: **COMBUSTIBLE LIQUID N.O.S. (Isopropanol), COMBUSTIBLE LIQUID, UN 1993, III.**

Combustible Liquid: This material is not regulated under 49 CFR if in a container of 119 gallon capacity or less.

SECTION XV.

REGULATORY INFORMATION

SARA TITLE III REPORTING REQUIREMENTS

SECTION 302: Not listed

SECTION 311: Immediate, Delayed, Fire

SECTION 312: Immediate, Delayed, Fire

SECTION 313: Listed (Isopropyl alcohol)

CERCLA: This product is not reportable.

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

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.