

MATERIAL SAFETY DATA SHEET

HAZARD RATINGS

Health: 2
Flammability: 0
Reactivity: 1
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: Heavy Duty Powder Cleaner
 Product VOC: NA
 Manufacturer's Name: Kor-Chem, Inc.
 5800 Bucknell Drive
 Atlanta, GA 30336

Product Identification #(PIF):072
 Emergency Telephone #: 1-800-255-3924
 General Information #: 404-344-9580
 Prepared by: Chad C. Parson
 Date Prepared: December 16, 1997

SECTION II. HAZARDOUS INGREDIENTS

	CAS #	OSHA/PEL	TLV	STEL		max. %
1. Sodium Metasilicate	6834-92-0		2mg/m ³	2mg/m ³	NE	57-61

SECTION III. HEALTH HAZARD INFORMATION

.....Primary Routes of Entry: Skin 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 result in varying degrees of irritation to the respiratory tract tissues.
- Ingestion: May cause irritation and /or burning to the entire gastrointestinal tract; nausea, pain bleeding and ulceration.

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: NOT FLAMMABLE
 Means of extinction: Water spray, dry chemicals, CO₂.
 Autoignition Temperature: NA
 Hazardous combustion products: NONE

Flash Point: NA
 Upper Flammability Limit (% by volume): NA
 Lower Flammability Limit (% by volume): NA

- ♦ *Special Fire Fighting Procedures:* NONE
- ♦ *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, organic material, magnesium, aluminum, zinc (galvanized), tin, chromium, brass and bronze, and various food sugar.
 Reactivity, and under what conditions? Prolonged contact with metals such as aluminum, tin, lead, and zinc, may produce flammable hydrogen gas.
 Hazardous decomposition products: NONE

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 along with a dust or mist respirator, if dusty or misty.
 Gloves (specify): Chemical resistant gloves Respirator (specify): dust respirator (NIOSH approved)
 Eye (specify): Chemical resistant eye ware Footwear (specify): Chemical resistant shoes
 Clothing (specify): Normal material handling clothing. 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: NA Vapor Density: (Air = 1): NA
 Specific Gravity, (water + 1.0): 1.12 pH, 1% solution: 12.5
 % Volatile/ volume: NA Vapor Pressure: NA
 Solubility: Complete Evaporation Rate: NA
Description/odor: Free-flowing yellow powder with pine odor.

SECTION XI. TOXICOLOGICAL INFORMATION

- ◆ Effects of acute exposure to product: Corrosive to eyes and skin.
- ◆ Effects of chronic exposure to product: No known chronic affects.

SECTION XII. ECOLOGICAL INFORMATION

NOT DETERMINED.....

SECTION XIII. ACCIDENTAL RELEASE MEASURES/ DISPOSAL INFORMATION

Large spills can not occur because of packaging. Shovel back into original dry container or waste receptacle. Flush area with water. Dispose of as an industrial waste in accordance to local, state and federal regulations. Do not release to open, public waters.

SECTION XIV. TRANSPORT INFORMATION

Not regulated by D.O.T.

SECTION XV. REGULATORY INFORMATION**SARA TITLE III REPORTING REQUIREMENTS**

SECTION 302: Not listed
 SECTION 311: Acute Health Hazard
 SECTION 312: Acute Health Hazard
 SECTION 313: Not listed
 CERCLA: This product is not reportable.

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.