

# 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: CL-3817  
Product VOC: 0  
Manufactured For: Charter Chemical  
P.O. Box 450412  
Atlanta, GA 31145

Product Identification #(PIF): 3817  
Emergency Telephone #: 1-800-255-3924  
General Information #: 770-466-1035  
Prepared by: Chad C. Parson  
Date Prepared: March 22, 2001

## SECTION II. HAZARDOUS INGREDIENTS

	CAS #	OSHA/PEL	TLV	STEL	max. %
1. Potassium Hydroxide	1310-58-3	2mg/m <sup>3</sup>	2mg/m <sup>3</sup>	NE	less than 1 %

## SECTION III. HEALTH HAZARD INFORMATION

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

◆ *Effects of overexposure:*

- Eye Contact: Corrosive
- Skin Contact: Severe irritant. 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, CO<sub>2</sub>.  
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? Reaction with various sugars may form carbon monoxide.  
Hazardous decomposition products: NONE.

MORE

**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): Chemical resistant 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): 1.06

% Volatile/ volume: 91%

Solubility: Complete

*Description/odor:* Clear brown liquid with characteristic odor.

Vapor Density: (Air = 1): ND

pH, Neat: 12-12.5

Vapor Pressure: ND

Evaporation Rate: ND

**SECTION XI.**

**TOXICOLOGICAL INFORMATION**

◆ Effects of acute exposure to product: Severe eye and skin irritant.

◆ 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 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**

Not Regulated.....

**SECTION XV.**

**REGULATORY INFORMATION**

**SARA TITLE III REPORTING REQUIREMENTS**

SECTION 302: Not listed

SECTION 311: Not listed

SECTION 312: Not listed

SECTION 313: Not listed

CERCLA: No reportable quantity

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

