

# MATERIAL SAFETY DATA SHEET

## HAZARD RATINGS

Health: 3  
Flammability: 0  
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: Re-Koil  
Product VOC: 0  
Manufactured by: Nxxem Products LLC  
PO Box 330  
Bolingbroke, GA 31004

Product Identification # XL-2260  
Emergency Telephone #: 1-800-535-5053  
General Information #: 478-992-9729

Date Prepared: March 19, 2001

## SECTION II. HAZARDOUS INGREDIENTS

	CAS #	OSHA/PEL	TLV	STEL	max. %
Sodium Hydroxide	1310-73-2	2mg/m <sup>3</sup>	2mg/m <sup>3</sup>	NE	20

## SECTION III. HEALTH HAZARD INFORMATION

.....Primary Routes of Entry: XSkin XEyes   Inhalation   Ingestion

### ◆Effects of overexposure:

- Eye Contact: Corrosive
- Skin Contact: Corrosive to body tissues. Dermatitis may result from repeated exposure.
- Inhalation: Mist 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 and bleeding

## 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  
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. When added to water, produces a tremendous amount of heat.  
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, eye protection and protective clothing.

Gloves (specify): Chemical resistant gloves

Respirator (specify): NA

Eye (specify): Chemical resistant eye ware

Footwear(specify): Chemical resistant shoes

Clothing (specify): Apron

Other: Eye wash and safety shower 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: >212<sup>0</sup>F

Specific Gravity, (water + 1.0): 1.19

% Volatile/ volume: 81.4%

Solubility: Complete

Description/odor: Clear/tan brown liquid with characteristic 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: 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. 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., (Sodium Hydroxide), 8, UN1760, II.**

**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 has a RQ of 9,804 lb (4,451 kg) as Sodium 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.