

# SAFETY DATA SHEET



Issue Date 27-Jan-2010

Revision Date 07-Mar-2013

Version 1

## 1. IDENTIFICATION

### Product Identifier

Product Name EZEE-STRIPP LIQUID

### Other Means of Identification

SDS # KI-067

UN/ID No NA1760

### Recommended Use of the Chemical and Restrictions on Use

Recommended Use Liquid Detergent.

### Details of the Supplier of the Safety Data Sheet

#### **Supplier Address**

Kemper Industries, Inc.  
P.O. Box 1172  
2197 Stanton Rd.  
Daphne, AL 36526

### Emergency Telephone Number

Company Phone Number Handling 251-626-3083  
Technical 866-536-4225  
Emergency Telephone INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

### Classification

Skin corrosion/irritation	Category 1 Sub-category B
Serious eye damage/eye irritation	Category 1

### Signal Word

Danger

### **Hazard Statements**

Causes severe skin burns and eye damage

**Appearance** Clear liquid**Physical State** Liquid**Odor** Mild detergent**Precautionary Statements - Prevention**

Do not breathe dust/fume/gas/mist/vapors/spray

Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

If eye irritation persists: Get medical advice/attention

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

Wash contaminated clothing before reuse

Get medical attention if symptoms persist

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Immediately call a POISON CENTER or doctor/physician

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting

Immediately call a POISON CENTER or doctor/physician

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards Not Otherwise Classified (HNOC)**

Not Applicable

**Other Information**

- Harmful to aquatic life with long lasting effects
- Harmful to aquatic life

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No	Weight-%
Sodium hydroxide	1310-73-2	<10
2-Butoxyethanol	111-76-2	<5

Proprietary blend of surfactants

**4. FIRST AID MEASURES****First Aid Measures****General advice**

If exposed or concerned: Get medical advice/attention.

<b>Inhalation</b>	Remove to fresh air. Administer oxygen if breathing is difficult. If not breathing, give artificial respiration. Call a physician immediately.
<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms persist, call a physician.
<b>Ingestion</b>	Rinse mouth. Do NOT induce vomiting. If ingestion of a large amount does occur, call a poison control center immediately.
<b>Skin Contact</b>	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation persists, call a physician.

**Most Important Symptoms and Effects, both Acute and Delayed**

<b>Symptoms</b>	Causes mild skin irritation. Prolonged contact may even cause severe skin irritation or mild burn. May cause discomfort if swallowed. Prolonged exposure in poorly ventilated area may cause respiratory irritation. May cause gastrointestinal irritation, nausea, diarrhea, and vomiting. May cause severe eye irritation. Severe burns to exposed skin.
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**Indication of any Immediate Medical Attention and Special Treatment Needed**

<b>Note to Physicians</b>	Treat symptomatically.
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**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Carbon dioxide (CO<sub>2</sub>). Dry chemical. Foam. Water spray (fog).

**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical**

Keep product and empty container away from heat and sources of ignition.

**Hazardous combustion products** Thermal decomposition may yield oxides of carbon.

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES****Personal Precautions, Protective Equipment and Emergency Procedures**

<b>Personal Precautions</b>	Avoid breathing vapors, mist or gas. Use personal protective equipment as required. Wash face, hands and any exposed skin thoroughly after exposure or clean-up.
<b>For Emergency Responders</b>	Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.
<b>Environmental Precautions</b>	See Section 12 for additional ecological information.

**Methods and Material for Containment and Cleaning Up**

**Methods for Containment** Small Spill: Absorb liquid on paper, vermiculite, floor absorbent or other absorbent material. Large Spill: Avoid heat. Stop spill at source, dyke area of spill to prevent spreading, pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay, earth, floor absorbent or other absorbent material and shoveled into containers.

**Methods for Cleaning Up** For waste disposal, see section 13 of the SDS. Clean up in accordance with all applicable regulations. Keep in suitable, closed containers for disposal.

## 7. HANDLING AND STORAGE

### Precautions for Safe Handling

**Advice on Safe Handling** Do not take internally. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Wear appropriate personal protective equipment. Wash face, hands, and any exposed skin thoroughly after handling. Do not breathe dust/fume/gas/mist/vapors/spray. Handle in accordance with good industrial hygiene and safety practice.

### Conditions for Safe Storage, Including any Incompatibilities

**Storage Conditions** Keep from freezing. Keep container closed when not in use. Store locked up.

**Incompatible Materials** Strong oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium hydroxide 1310-73-2	Ceiling: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup> (vacated) Ceiling: 2 mg/m <sup>3</sup>	IDLH: 10 mg/m <sup>3</sup> Ceiling: 2 mg/m <sup>3</sup>
2-Butoxyethanol 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m <sup>3</sup> (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m <sup>3</sup> (vacated) S* S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m <sup>3</sup>

### Appropriate Engineering Controls

**Engineering Controls** Local exhaust ventilation recommended. For operations where contact can occur, a safety shower and an eye wash facility should be available.

### Individual Protection Measures, such as Personal Protective Equipment

**Eye/Face Protection** Avoid contact with eyes. Splash proof goggles where possible eye contamination exists.

**Skin and Body Protection** Wear rubber gloves that are chemically resistant to this product. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

**Respiratory Protection** Ensure adequate ventilation, especially in confined areas. Where excess concentration of product is expected, a NIOSH approved air supplied respirator is advised in absence of proper environmental control.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes, skin and clothing. Avoid inhalation of contaminant. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

<b>Physical State</b>	Liquid	<b>Odor</b>	Mild detergent
<b>Appearance</b>	Clear liquid	<b>Odor threshold</b>	Not determined
<b>Color</b>	Clear		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	13.5	
<b>Melting point/freezing point</b>	0 °C / 32 °F	
<b>Boiling point/boiling range</b>	100 °C / 212 °F	
<b>Flash point</b>	Non-flammable	
<b>Evaporation rate</b>	Not determined	
<b>Flammability (solid, gas)</b>	Not determined	
<b>Flammability limits in air</b>		
<b>Upper flammability limits</b>	Not determined	
<b>Lower flammability limit</b>	Not determined	
<b>Vapor pressure</b>	Not determined	
<b>Vapor density</b>	Not determined	
<b>Specific gravity</b>	1.02	
<b>Water solubility</b>	Completely soluble	
<b>Solubility in other solvents</b>	Not determined	
<b>Partition coefficient</b>	Not determined	
<b>Autoignition temperature</b>	Not determined	
<b>Decomposition temperature</b>	Not determined	
<b>Kinematic viscosity</b>	Not determined	
<b>Dynamic viscosity</b>	Not determined	
<b>Explosive properties</b>	Not determined	
<b>Oxidizing Properties</b>	Not determined	

### Other Information

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions

### Chemical Stability

Stable under normal conditions.

### Possibility of Hazardous Reactions

None under normal processing.

#### **Hazardous polymerization**

Hazardous polymerization does not occur.

### Conditions to Avoid

Incompatible Materials. Keep from freezing. Keep away from sources of ignition — No smoking.

### Incompatible Materials

Strong oxidizing agents.

### Hazardous Decomposition Products

Thermal decomposition may yield oxides of carbon.

## 11. TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

**Product Information**

<b>Inhalation</b>	Inhalation of mists may be irritating to the respiratory system. Avoid breathing vapors or mists.
<b>Eye Contact</b>	Causes severe eye damage.
<b>Skin Contact</b>	Causes severe skin burns.
<b>Ingestion</b>	Ingestion of large amounts may produce gastrointestinal disturbances. Do not taste or swallow.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium hydroxide 1310-73-2	-	= 1350 mg/kg ( Rabbit )	-
2-Butoxyethanol 111-76-2	= 470 mg/kg ( Rat )	= 2270 mg/kg ( Rat ) = 220 mg/kg ( Rabbit )	= 2.21 mg/L ( Rat ) 4 h = 450 ppm ( Rat ) 4 h

**Information on Physical, Chemical and Toxicological Effects**

**Symptoms** Please see section 4 of this SDS for symptoms.

**Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure**

**Skin corrosion/irritation** Causes burns.

**Serious eye damage/eye irritation** May cause severe corneal injury.

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
2-Butoxyethanol 111-76-2	A3	Group 3		

**ACGIH (American Conference of Governmental Industrial Hygienists)**

A3 - Animal Carcinogen

**IARC (International Agency for Research on Cancer)**

Group 3 IARC components are "not classifiable as human carcinogens"

**Numerical Measures of Toxicity- Product**

Not determined

The following values are calculated based on chapter 3.1 of the GHS document .

**ATEmix (oral)** 8785 mg/kg

**ATEmix (dermal)** 7635 mg/kg

**ATEmix (inhalation-dust/mist)** 73.7 mg/l

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Harmful to aquatic life Harmful to aquatic life with long lasting effects

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Sodium hydroxide 1310-73-2		45.4: 96 h Oncorhynchus mykiss mg/L LC50 static		
2-Butoxyethanol 111-76-2		1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50		1698 - 1940: 24 h Daphnia magna mg/L EC50 1000: 48 h Daphnia magna mg/L EC50

**Persistence and Degradability**

This product class is readily biodegradable.

**Bioaccumulation**

Not determined.

**Mobility**

Not determined.

Chemical Name	Partition coefficient
2-Butoxyethanol 111-76-2	0.81

**Other Adverse Effects**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal

### 13. DISPOSAL CONSIDERATIONS

**Waste Treatment Methods****Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Chemical Name	California Hazardous Waste Status
Sodium hydroxide 1310-73-2	Toxic Corrosive

### 14. TRANSPORT INFORMATION

**Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances

**DOT**

<b>UN/ID No</b>	NA1760
<b>Proper Shipping Name</b>	Compounds, cleaning liquid (Sodium hydroxide)
<b>Hazard Class</b>	8
<b>Packing Group</b>	II

**IATA**

UN/ID No	UN1760
Proper Shipping Name	Corrosive, liquid, n.o.s. (Sodium hydroxide)
Hazard Class	8
Packing Group	II

**IMDG**

UN/ID No	UN1760
Proper Shipping Name	Corrosive liquid, n.o.s. (Sodium hydroxide)
Hazard Class	8
Packing Group	II

<b>15. REGULATORY INFORMATION</b>
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**International Inventories**

<b>TSCA</b>	Listed
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**Legend:***TSCA - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List**EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances**ENCS - Japan Existing and New Chemical Substances IECSC**- China Inventory of Existing Chemical Substances KECL -**Korean Existing and Evaluated Chemical Substances**PICCS - Philippines Inventory of Chemicals and Chemical Substances***US Federal Regulations**

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
2-Butoxyethanol - 111-76-2	111-76-2	<5	1.0

**SARA 311/312 Hazard Categories**

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium hydroxide 1310-73-2	1000 lb			X
Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ		Reportable Quantity (RQ)
Sodium hydroxide 1310-73-2	1000 lb			RQ 1000 lb final RQ RQ 454 kg final RQ

**US State Regulations****U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Sodium hydroxide 1310-73-2	X	X	X
2-Butoxyethanol 111-76-2	X	X	X

**U.S. EPA Label Information**

<b>16. OTHER INFORMATION</b>
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<b><u>NFPA</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	2	0	1	Not determined
<b><u>HMIS</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>
	Not determined	Not determined	Not determined	Not determined

**Issue Date** 27-Jan-2010

**Revision Date** 07-Mar-2013

**Revision Note**

New format

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**