

Issue Date 31-Dec-2008

Revision Date 06-Feb-2013

Version 1

## 1. IDENTIFICATION

### Product Identifier

Product Name SledgeHammer

### Other means of identification

SDS # AI00007

UN/ID No UN1824

### Recommended use of the chemical and restrictions on use

Recommended Use Heavy duty degreaser/ cleaner.

### Details of the supplier of the safety data sheet

#### Manufacturer Address

Alklean Industries, Inc.  
2111 Catalina  
Pasadena, TX 77503  
281-479-5966

### Emergency telephone number

Company Phone Number 281-479-5966  
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 Red liquid

Physical state Liquid

Odor Aromatic

**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 IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 Immediately call a POISON CENTER or doctor/physician  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 Wash contaminated clothing before reuse  
 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

**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**

Not Applicable

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%	Trade Secret
Sodium hydroxide	1310-73-2	<3	*

### 4. FIRST AID MEASURES

**First aid measures**

<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a physician immediately.
<b>Eye contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a physician immediately.
<b>Ingestion</b>	Rinse mouth. Do NOT induce vomiting. Drink plenty of water or milk immediately. Get medical attention.
<b>Skin Contact</b>	Wash with soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. Get medical attention if irritation develops or persists.

**Most important symptoms and effects, both acute and delayed**

<b>Symptoms</b>	May cause severe irritation with redness, pain, and blurred vision. Contact will cause irritation and redness to exposed areas.
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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

Water. Carbon dioxide (CO2). Foam.

**Unsuitable Extinguishing Media** Not determined.

### Specific hazards arising from the chemical

Non-combustible.

### 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

**Personal precautions** Use personal protective equipment as required.

### Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Dilute with water and clean up. Clean up in accordance with all applicable regulations.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling** Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Use personal protection recommended in Section 8. Product should only be handled by trained personnel.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep locked up and out of reach of children.

**Incompatible materials** strong acids. 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>

### Appropriate engineering controls

**Engineering Controls** Apply technical measures to comply with the occupational exposure limits.

### Individual protection measures, such as personal protective equipment

**Eye/face protection** Wear approved safety goggles.

<b>Skin and body protection</b>	Rubber gloves. Rubber apron when handling full strength.
<b>Respiratory protection</b>	Ensure adequate ventilation, especially in confined areas.
<b>General Hygiene Considerations</b>	Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical state</b>	Liquid	<b>Odor</b>	Aromatic
<b>Appearance</b>	Red liquid	<b>Odor threshold</b>	Not determined
<b>Color</b>	red		
<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>	
<b>pH</b>	14		
<b>Melting point/freezing point</b>	Not determined		
<b>Boiling point/boiling range</b>	104.4 °C / 220 °F		
<b>Flash point</b>	> 104.4 °C / > 220 °F		
<b>Evaporation rate</b>	Not determined		
<b>Flammability (solid, gas)</b>	n/a-liquid		
<b>Flammability Limits in Air</b>			
<b>Upper flammability limits</b>	Not determined		
<b>Lower flammability limit</b>	Not determined		
<b>Vapor pressure</b>	23.76 mm Hg	@ 25 °C	
<b>Vapor density</b>	Not determined		
<b>Specific Gravity</b>	1.15	(1=Water)	
<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 recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

#### **Hazardous polymerization**

Hazardous polymerization does not occur.

### Conditions to avoid

Contact with incompatible materials.

### Incompatible materials

strong acids. Strong oxidizing agents.

**Hazardous Decomposition Products**

None known based on information supplied.

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Product Information**

<b>Inhalation</b>	Avoid breathing vapors or mists.
<b>Eye contact</b>	Causes severe eye damage.
<b>Skin Contact</b>	Causes severe skin burns.
<b>Ingestion</b>	Do not taste or swallow.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium hydroxide 1310-73-2	-	= 1350 mg/kg ( Rabbit )	-

**Information on physical, chemical and toxicological effects**

**Symptoms** May cause severe irritation with redness, pain, and blurred vision. Contact may cause irritation and redness.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Carcinogenicity** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**Numerical measures of toxicity- Product**

Not determined

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

ATEmix (dermal) 45045 mg/kg

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

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

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		

**Persistence and degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

Not determined.

**Other adverse effects** Not determined

### 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

#### DOT

**UN/ID No** UN1824  
**Proper shipping name** Sodium hydroxide solution  
**Hazard Class** 8  
**Packing Group** II  
**Reportable Quantity (RQ)** sodium hydroxide 1000 lbs

#### IATA

**UN/ID No** UN1824  
**Proper shipping name** Sodium hydroxide solution  
**Hazard Class** 8  
**Packing Group** II

#### IMDG

**UN/ID No** UN1824  
**Proper shipping name** Sodium hydroxide solution  
**Hazard Class** 8  
**Packing Group** II

### 15. REGULATORY INFORMATION

#### International Inventories

##### Legend:

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*

*DSL/NDSL - 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****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

**U.S. EPA Label Information****16. OTHER INFORMATION**

<b><u>NFPA</u></b>	<b>Health hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	2	0	2	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

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Revision Note

new format

**Disclaimer**

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End of Safety Data Sheet