

# Safety Data Sheet

Product Name: 3462

Revision Date: June 4, 2015

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## Section #1: Chemical Product and Company Identification

Product Name: 3462

Other mean of identification: None

Chemical use/Restrictions: For industrial, commercial, institutional use only. Not intended for household use.

Manufacturer / Distributor: Enerco Corporation

Address: 317 N. Bridge St., Grand Ledge, MI 48837

Telephone: (800) 292-5908

Fax: (517) 627-8037

***For chemical emergency - spill, leak, fire, exposure or accident - call CHEMTREC - day or night - (800) 424-9300***

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## Section #2: Hazards Identification

Signal Word: **Danger**



Exclamation  
Mark



Corrosion

<u>Classification Number and Name</u>	<u>Appendix Reference</u>	<u>Hazard Statement</u>	<u>Hazard Category</u>
C.4.1 Acute Toxicity - Oral	A.1	Harmful if swallowed	4
C.4.4 Skin Corrosion/Irritation	A.2	Causes severe skin burns and eye damage	1B
C.4.5 Eye Damage/Irritation	A.3	Causes serious eye damage	1
C.4.29 Corrosive to Metals	B.16	May be corrosive to metals	1

## Precautionary Statements

<u>Prevention</u>	<u>Response</u>	<u>Storage</u>	<u>Disposal</u>
Keep only in original container.	If swallowed: Immediately call a poison center/doctor.	Store locked up.	Dispose of contents/container to comply with all local, state, and federal regulations.
Do not breathe dusts or mists.	If swallowed: Rinse mouth. Do NOT induce vomiting.	Store in a corrosive resistant container with a resistant inner liner.	
Wash exposed body parts thoroughly after handling.	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.		
Do not eat, drink or smoke when using this product.			
Wear eye protection/face protection	If inhaled: Remove person to fresh air and keep comfortable for breathing.		
Wear protective gloves/protective clothing/eye protection/face protection.	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/doctor.		
	Rinse mouth.		
	Wash contaminated clothing before reuse.		
	Absorb spillage to prevent material damage.		

**Other Hazards:** No other hazards identified during the classification process.

**Unknown Acute Toxicity:** No ingredients of unknown toxicity.

## Section #3: Composition/Information on Ingredients

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Weight %</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
<input checked="" type="checkbox"/> Sodium Hydroxide	1310-73-2	20-30%	2 mg/m <sup>3</sup>	unknown

☒ Indicates hazardous substances. Remainder of components comprise proprietary information. This document is prepared pursuant to the OSHA Hazard Communication Standard, 29 CFR 1910.1200. In addition, other substances not "hazardous" per this OSHA standard may be listed.

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## Section #4: First Aid Measures

**EMERGENCY OVERVIEW:** Harmful if swallowed. May be corrosive to eyes and skin.

**Eye:** Immediately flush with water for 15 minutes - be sure eyelids are held open during flushing. Consult physician.

**Skin:** Flush with water for 15 minutes. Remove contaminated clothing. Consult physician.

**Inhalation:** Remove to fresh air if effects occur. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult physician if effects occur.

**Ingestion:** Do not induce vomiting. If conscious, give large amounts of water. Consult physician - get medical attention. Never give anything by mouth to an unconscious person.

**Potential Health Effects:** See Section 11 for toxicological data

**Effects of Acute Exposure:** Eye: Irritation/severe irritation or burns may occur.

Skin: Irritation/severe irritation or burns may occur.

Inhalation: Irritation/burns of mucous membranes may occur.

Ingestion: Gastrointestinal irritation/burns, nausea, vomiting may occur.

**Effects of Chronic Exposure:** Normal use of this product does not result in chronic exposure.

**Medical Conditions Generally Aggravated by Exposure:** None known.

## Section #5: Fire-Fighting Measures

**NFPA Hazard Codes - (Health / Flammability / Reactivity):**

2 / 0 / 1

### NFPA Code Legend

4 - Severe Hazard  
3 - Serious Hazard  
2 - Moderate Hazard  
1 - Slight Hazard  
0 - Minimal Hazard

**Extinguishing Media:** Use media suitable for surrounding fire.

**Unusual Fire and Explosive Hazards:** None known.

**Special Fire Fighting Procedures:** Fire fighters should wear full protective gear including self-contained breathing apparatus.

## Section #6: Accidental Release Measures

**Spill and Leak Procedure:** Contain spill. Keep out of drains, sewers, lakes, streams, or other water systems. Ventilate area. Carefully neutralize spill to a pH between 6 and 9 with an acid such as dilute acetic acid. Flush area with flooding amounts of water (use caution).

**Disposal:** Dispose of in accordance with all applicable federal, state, and local health and environmental standards and regulations.

## Section #7: Handling and Storage

**Precautions to be Taken in Handling:** Avoid contact with eyes, skin, and clothing.  
Avoid breathing vapor.  
Keep container tightly closed when not in use.  
Do not ingest.  
Wash thoroughly after handling.

**Precautions to be Taken in Storage:** Store in a cool, dry secure place.  
Normal shelf life 6 months.  
Do not store with or near food supplies or potable water.  
Store below 120°F and above 40°F  
Keep container tightly closed.

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## Section #8: Exposure Controls / Personal Protection

**Permissible Exposure Limits:** OSHA PEL: 2 mg/m for Sodium Hydroxide

**Ventilation:** Use adequate ventilation to keep airborne levels below the exposure limits.

**Eye Protection:** Chemical safety goggles.  
Eyewash fountain in the work place is strongly recommended.

**Skin Protection:** Rubber gloves.  
Shower in the work place is strongly recommended.

**Respiratory Protection:** None needed, if ventilation is adequate. Respiratory protection may be required for work areas where misting may occur.

**Other Protection Equipment:** Any other protective clothing or use of equipment necessary to prevent eye and skin contact.

## Section #9: Physical and Chemical Properties

**Appearance:** Clear To Slightly Turbid Liquid

**Flammable Limits:** Not determined.

**Odor:** None

**Vapor Pressure:** Similar to water

**Odor Threshold:** No Information Available.

**Vapor Density:** Similar to water

**pH (1% sol'n, unless noted):** >12

**Relative Density:** No Information Available.

**Melting Point (deg. F):** No Information Available.

**Solubility in Water:** Complete

**Boiling Point (deg. F):** Greater than 212

**Partition Coefficient:** No Information Available.

**Flash Point:** Greater than 200°F.

**Auto-ignition (deg. F):** No Information Available.

**Evaporation Rate:** Similar to water

**Decomposition (deg. F):** No Information Available.

**Flammability (NFPA Rating):** 0

**Viscosity:** No Information Available.

## Section #10: Stability and Reactivity

**Reactivity (NFPA Rating):** 1

**Chemical Stability:** Stable

**Hazardous Reactions:** Will not occur.

**Conditions to Avoid:** Avoid temperatures above 120°F or below 40°F.

**Incompatibility:** Strong Acids, Zinc, Aluminum, Magnesium, Peroxides, Halogens

**Hazardous Decomposition Products:** None known.

## Section #11: Toxicological Information

Skin and eye (irritation/severe irritation or burns) are expected to be the primary target organs of this product.

**Ingredients as Carcinogens:** To the best of our knowledge, this product does not contain any substances that are considered by OSHA, NTP, IARC, or ACGIH to be 'probable' or 'suspected' human carcinogens.

## Section #12: Ecological Information

No data available.

## Section #13: Disposal Considerations

Best route is to use product for its originally intended purpose. Dispose of in accordance with applicable environmental standards and in accordance with all local, state, and federal laws and regulations.

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## Section #14: Transport Information

**DOT Proper Shipping Name:** Sodium Hydroxide

**DOT Hazard Class:** 8

**DOT UN Number:** UN1824

**DOT Label:** Corrosive

**DOT Packing Group:** II

The shipping name listed above applies to a 55 gallon drum size (~500 lbs) of the product offered for ground transport. This product may have more than one proper shipping name, depending on packaging, product properties, and mode of shipment.

## Section #15: Regulatory Information

**TSCA:** All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

**RCRA Hazard Class:** No components of this product are listed.

**CERCLA RQ:** Listed "Sodium Hydroxide" RQ 1,000 Lbs.

### SARA Title III

**Extremely Hazardous Substance:** No components of this product are listed.

**Hazardous Substance:** Hazard due to: Irritant/Corrosiveness

**Hazard Catagorization:** ☐ Sudden Release of Pressure ☒ Immediate (Acute) Health  
☐ Reactive ☐ Delayed (Chronic) Health  
☐ Fire

**Section 313 Chemicals:** No components of this product are listed.

### STATE RIGHT-TO-KNOW

CHEMICAL NAME	CAS NUMBER	LIST
Sodium Hydroxide	1310-73-2	MA,MN,NY,PA1,PA3

MA=Massachusetts Hazardous Substance. MN=Minnesota Hazardous Substance NY=New York Hazardous Substance PA1=Pennsylvania Hazardous Substance (present at greater than or equal to 1.0%) PA3=Pennsylvania Environmental Hazardous Substance (present at greater than or equal to 1.0%.)

## Section #16: Other Information

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We believe that the statements, technical information, and recommendations contained herein are reliable. However, since data, safety standards, and government regulations are subject to change and conditions of handling and of use or misuse are beyond our control, and since health and safety precautions given may not be adequate for all individuals and/or situations, we make no warranty, either expressed or implied, with respect to the continuing accuracy of the information contained herein.