

Safety Data Sheet

Product Name: 3012

Revision Date: June 4, 2015

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Section #1: Chemical Product and Company Identification

Product Name: 3012

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.4.4 Skin Corrosion/Irritation	A.2	Causes severe skin burns and eye damage	1B
C.4.5 Eye Damage/Irritation	A.3	Causes serious eye irritation	2A
C.4.7 Sensitization - Skin	A.4	May cause an allergic skin reaction	1B

Precautionary Statements

<u>Prevention</u>	<u>Response</u>	<u>Storage</u>	<u>Disposal</u>
Do not breathe dusts or mists.	If swallowed: Rinse mouth. Do NOT induce vomiting.	Store locked up.	Dispose of contents/container to comply with all local, state, and federal regulations.
Avoid breathing dust/fume/gas/mist/vapors/spray.	If on skin: Wash with plenty of water.		
Wash exposed body parts thoroughly after handling.	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.		
Contaminated work clothing must not be allowed out of the workplace.	If inhaled: Remove person to fresh air and keep comfortable for breathing.		
Wear 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.		
Wear protective gloves.	Immediately call a poison center/doctor.		
Wear protective gloves/protective clothing/eye protection/face protection.	If skin irritation or rash occurs: Get medical advice/attention.		
	If eye irritation persists: Get medical advice/attention.		
	Wash contaminated clothing before reuse.		

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	6-10	2 mg/m ³	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: 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. If irritation occurs, consult physician. Remove contaminated clothing.

Inhalation: Not applicable

Ingestion: If swallowed, seek medical attention.
Do not induce vomiting unless directed to do so by medical personnel.
If conscious, drink large amounts of water or acidic beverages, like orange or tomato juice.

Potential Health Effects: See Section 11 for toxicological data

Effects of Acute Exposure: Eye: Burns, possible permanent damage.

Skin: Severe burns may occur.

Inhalation: Vapors are essentially all water.

Ingestion: Effects of ingestion due mainly to effect of material corrosiveness.

Effects of Chronic Exposure: None known. Normal user 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 / 0

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: Contact with some metals, particularly magnesium, aluminum, and zinc, can rapidly generate hydrogen, which is explosive.

Special Fire Fighting Procedures: None

Section #6: Accidental Release Measures

Spill and Leak Procedure: Small spills: Wash area with water. Water must go to a treatment plant not to the environment.
Large spills: Dike or contain material and recover it for use as originally intended. Wash area with water.
Water must go to a treatment plant, not to the environment.

Disposal: Dispose of in accordance with applicable environmental standards.

Section #7: Handling and Storage

Precautions to be Taken in Handling: Avoid contact with eyes, skin, and clothing
Keep container tightly closed when not in use.
Do not ingest.

Precautions to be Taken in Storage: Avoid temperatures above 120°F.
Normal shelf life 1 year.

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Section #8: Exposure Controls / Personal Protection

Permissible Exposure Limits: ACGIH TLV = 2mg/m³

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

Eye Protection: Chemical safety goggles.

Skin Protection: Rubber gloves.

Respiratory Protection: Use adequate ventilation.

Other Protection Equipment: Not applicable

Section #9: Physical and Chemical Properties

Appearance: Water White To Slightly Turbid Liquid

Flammable Limits: None

Odor: None

Vapor Pressure: Similar to water

Odor Threshold: No Information Available.

Vapor Density: Similar to water

pH (1% sol'n, unless noted): Greater Than 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: None

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): 0

Chemical Stability: Stable

Hazardous Reactions: Will not occur.

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

Incompatibility: Strong acids.
Aluminum

Hazardous Decomposition Products: None known

Section #11: Toxicological Information

This product is corrosive to eyes, skin, etc.

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.

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Section #14: Transport Information

DOT Proper Shipping Name: CORROSIVE LIQUID, N.O.S. (Sodium Hydroxide) UN 1760

DOT Hazard Class: 8

DOT UN Number: UN 1760

DOT Label: CORROSIVE

DOT Packing Group: III

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: Product waste may exhibit characteristic of corrosiveness.

CERCLA RQ: Listed "Sodium Hydroxide" RQ 1,000 lbs. (12,500 lbs of this product)

SARA Title III

Extremely Hazardous Substance: Not listed

Hazardous Substance: Hazard due to: Corrosiveness

Hazard Categorization: Sudden Release of Pressure Immediate (Acute) Health

Reactive Delayed (Chronic) Health

Fire

Section 313 Chemicals: Not listed

STATE RIGHT-TO-KNOW

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.