

MAY 08 2015

# Material Safety Data Sheet

Product Name: RG102: Alkalinity-2 (Alk-2)

Revision Date: July 19, 2011

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## Section #1: Chemical Product and Company Identification

Product Name: RG102: Alkalinity-2 (Alk-2)

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**

## Section #2: Composition/Information on Ingredients

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Weight %</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
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☒ 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.

## Section #3: Hazards Identification

**EMERGENCY OVERVIEW:** May cause irritation to skin and eyes.

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

**Effects of Acute Exposure:** Eye: Mild irritation may occur.

Skin: Mild irritation may occur.

Inhalation: Harmful effects are not expected from short term inhalation.

Ingestion: Not expected to result in harmful effects under anticipated conditions of normal use. Excessive ingestion may cause central nervous system effects.

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

**Medical Conditions Generally Aggravated by Exposure:** May aggravate pre-existing eye disease.

## Section #4: First Aid Measures

**Eye:** Immediately flush with water for 15 minutes - be sure eyelids are held open during flushing. If irritation occurs, consult physician.

**Skin:** Flush with water for 15 minutes. If irritation occurs, consult physician.

**Inhalation:** First aid not normally required. Remove to fresh air if effects occur. Consult physician if symptoms persists.

**Ingestion:** First aid not normally required. If symptoms develop, consult physician - get medical attention. Never give anything by mouth to an unconscious person.

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## Section #5: Fire-Fighting Measures

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

0 / 1 / 0

Flash Point: Greater than 200°F.

Flammable Limits: Not determined.

Extinguishing Media: Water fog, dry chemical, carbon dioxide, foam.

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

Unusual Fire and Explosive Hazards: May form carbon dioxide and carbon monoxide.

### NFPA Code Legend

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

## Section #6: Accidental Release Measures

Spill and Leak Procedure: Contain spill. Keep out of drains, sewers, lakes, streams, or other water systems. Use absorbent to clean up. Transfer to suitable container for disposal.  
Large spills: Dike or contain material and recover it for use as originally intended.

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. Avoid breathing vapor. Keep container tightly closed when not in use. Do not ingest.

Precautions to be Taken in Storage: Store in a cool, dry place. Store below 120°F. Normal shelf life 1 year. Do not store with or near food supplies or potable water.

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## Section #8: Exposure Controls / Personal Protection

**Ventilation:** Good general ventilation should be sufficient to control airborne levels of vapor and mist.

**Eye Protection:** Chemical safety goggles.

**Skin Protection:** Rubber gloves.

**Respiratory Protection:** None needed, if ventilation is adequate.

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

**Permissible Exposure Limits:** None established for product.

## Section #9: Physical and Chemical Properties

<b>Appearance:</b> Dark Green Liquid	<b>Boiling Point (deg. F):</b> Greater than 212
<b>Odor:</b> None	<b>Vapor Pressure:</b> <0.1 mm Hg
<b>pH (1% sol'n, unless noted):</b> 7-8	<b>Vapor Density:</b> 2.6 (air = 1)
<b>Solubility in Water:</b> Complete	<b>Evaporation Rate:</b> Similar to water

## Section #10: Stability and Reactivity

**Chemical Stability:** Stable

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

**Incompatibility:** Strong bases. Strong acids. Oxidizing agents.

**Hazardous Decomposition Products:** Carbon monoxide and other toxic vapors.

**Hazardous Polymerization:** Will not occur.

## Section #11: Toxicological Information

Skin and eye (mild irritation) are expected to be the primary target organs of this product. May be harmful if ingested in large quantities.

**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

Practically non toxic to mammalian wildlife. Insignificant toxic hazard to aquatic organisms and fish.

## 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:** Not Hazardous As Regulated By DOT.

**DOT Hazard Class:** Not Applicable.

**DOT UN Number:**

**DOT Label:** Not Applicable

**DOT Packing Group:** None

The shipping name listed above applies to a 55 gallon drum of the product. 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:** No components of this product are listed.

### SARA Title III

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

**Hazardous Substance:** Hazard due to: Irritability

**Hazard Categorization:** ☐ 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
Propylene Glycol	57-55-6	MN,PA1

MN=Minnesota Hazardous Substance PA1=Pennsylvania Hazardous Substance (present at greater than or equal to 1.0%)

## Section #16: Other Information

This product is a testing reagent. The use rate is drops to mls. per day. The normal amount purchased is = or < a quart.

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.