

Safety Data Sheet

Product Name: RG213: Hardness-3 (Hard-3)

Revision Date: June 4, 2015

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Section #1: Chemical Product and Company Identification

Product Name: RG213: Hardness-3 (Hard-3)

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

Section #2: Hazards Identification

Signal Word: **Warning**



Exclamation
Mark

<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 skin irritation	2
C.4.5 Eye Damage/Irritation	A.3	Causes eye irritation	2B

Precautionary Statements

Prevention

Wash exposed body parts thoroughly after handling.

Wear protective gloves.

Response

If on skin: Wash with plenty of water.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Take off contaminated clothing and wash it 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>
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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.

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Section #4: First Aid Measures

EMERGENCY OVERVIEW: Can be irritating to eyes, skin, etc. This product is a testing reagent. The use rate is drops to mls. per day. The normal amount purchased is = or < a quart.

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: Remove to fresh air if effects occur.

Ingestion: Never give anything by mouth to an unconscious person.
Consult physician - get medical attention.
Rinse mouth with copious amounts of water or milk.
Treatment should be symptomatic.

Potential Health Effects: See Section 11 for toxicological data

Effects of Acute Exposure: Eye: Irritation may occur.
Skin: Irritation may occur.
Inhalation: Vapors are essentially all water.
Ingestion: Ingestion is not expected to be a primary route of exposure.

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):

1 / 0 / 0

NFPA Code Legend

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

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

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: If possible, recover as much of product as possible to be used for its intended purpose. Wash area with water. Water must go to a treatment plant not to the environment.

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.
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

Permissible Exposure Limits: None established for product.

Ventilation: Use adequate ventilation

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.

Section #9: Physical and Chemical Properties

Appearance: Colorless Liquid

Odor: None

Odor Threshold: No Information Available.

pH (1% sol'n, unless noted): Neutral

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

Boiling Point (deg. F): Greater than 212

Flash Point: Not applicable

Evaporation Rate: Similar to water

Flammability (NFPA Rating): 0

Flammable Limits: Not applicable

Vapor Pressure: Similar to water

Vapor Density: Similar to water

Relative Density: No Information Available.

Solubility in Water: Complete

Partition Coefficient: No Information Available.

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

Decomposition (deg. F): No Information Available.

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: Oxidizing agents.
Strong acids.

Hazardous Decomposition Products: Thermal Decomposition Could Produce Carbon Monoxide

Section #11: Toxicological Information

Skin and eye (irritation) 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 standard and in accordance with all local, state, and federal laws and regulations.

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Section #14: Transport Information

DOT Proper Shipping Name: Not hazardous as regulated by DOT.

DOT Hazard Class: None

DOT UN Number:

DOT Label: Not Applicable

DOT Packing Group: None

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: 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: Irritant

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

Section #16: Other Information

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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.