

Material Safety Data Sheet

Product Name: 7022

Revision Date: January 28, 2009

Page 1 of 4

Section #1: Chemical Product and Company Identification

Product Name: 7022

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> |
|--|-------------------|-----------------|-----------------|------------------|
| <input checked="" type="checkbox"/> Sodium Nitrite | 7632-00-0 | 18% | unknown | 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.

Section #3: Hazards Identification

EMERGENCY OVERVIEW: May cause irritation and possible burns to eyes and skin. May be toxic if very large amounts are ingested.

Potential Health Effects: See Section 11 for toxicological data

Effects of Acute Exposure: Eye: Irritation may occur.

Eye: Burns, possible permanent damage.

Skin: Burns may occur.

Inhalation: Irritation may occur.

Ingestion: Small amounts swallowed incidental to normal handling operations are not likely to cause injury, swallowing larger amounts than that may be toxic.

Ingestion may irritate gastrointestinal track.

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

Medical Conditions Generally Aggravated by Exposure: None known.

Section #4: First Aid Measures

Eye: Immediately flush with water for 15 minutes. If irritation occurs, consult physician.

Skin: Flush with water for 15 minutes.
If irritation occurs, consult physician.
Remove contaminated clothing.

Inhalation: Remove to fresh air if effects occur.

Ingestion: If conscious, give sufficient quantities of water or milk to induce vomiting. If vomiting is not spontaneous, induce vomiting. Keep airway clear. Never give anything by mouth to an unconscious person.
If swallowed, seek medical attention. Ingestion of very large amounts of this material may cause nausea, vomiting, cyanosis, convulsions and coma.

Material Safety Data Sheet

Product Name: 7022

Revision Date: January 28, 2009

Continued from previous page...

Page 2 of 4

Section #5: Fire-Fighting Measures

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

2 / 0 / 0

Flash Point: Not applicable.

Flammable Limits: Not applicable.

Extinguishing Media: Water and carbon dioxide.
Avoid ammonium phosphate dry chemical.

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

Unusual Fire and Explosive Hazards: Gases containing oxides of nitrogen, which are toxic and are oxidizers, may be released from decomposition of products residue.

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: If possible, recover as much of product as possible to be used for its intended purpose. Contain spill. Keep out of storm drains and septic systems, lakes, streams, or other water systems that will contaminate the environment. Use absorbent to clean up. Transfer to suitable container for disposal.

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: 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.

Material Safety Data Sheet

Product Name: 7022

Revision Date: January 28, 2009

Continued from previous page...

Page 3 of 4

Section #8: Exposure Controls / Personal Protection

- Ventilation:** Use adequate ventilation to keep airborne levels below the exposure limits.
- Eye Protection:** Eyewash fountain in the workplace strongly recommended.
Chemical safety goggles.
- Skin Protection:** Rubber gloves.
Shower recommended.
- 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

- | | |
|--|---|
| Appearance: Clear Colorless To Amber Liquid | Boiling Point (deg. F): Greater than 212 |
| Odor: No Odor | Vapor Pressure: Similar to water |
| pH (1% sol'n, unless noted): 9-10 | Vapor Density: Similar to water |
| Solubility in Water: Complete | Evaporation Rate: Similar to water |

Section #10: Stability and Reactivity

- Chemical Stability:** Stable
- Conditions to Avoid:** Avoid temperatures above 120°F or below 40°F
- Incompatibility:** Reducing agents.
Ammonium Salts and thiocyanates.
- Hazardous Decomposition Products:** Nitrogen oxides.
- Hazardous Polymerization:** Will not occur.

Section #11: Toxicological Information

Skin and eye (irritation) are expected to be the primary target organs of this product.
Swallowing large amounts of product can be toxic.

- 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.

Material Safety Data Sheet

Product Name: 7022

Revision Date: January 28, 2009

Continued from previous page...

Page 4 of 4

Section #14: Transport Information

DOT Proper Shipping Name: Not regulated as hazardous 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 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: Listed "Sodium Nitrite" RQ 100 Lbs. (555 lbs. of this product).

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: This product contains the following EPCRA section 313 chemical subject to the reporting requirements of section 313 of The Emergency Planning and Community Right-To-Know Act of 1986(40CFR372).

| CAS# | Chemical Name |
|-----------|----------------|
| 7632-00-0 | Sodium Nitrite |

This information should be included in all MSDS's that are copied and distributed for this material.

STATE RIGHT-TO-KNOW

| CHEMICAL NAME | CAS NUMBER | LIST |
|----------------|------------|-------------------|
| Sodium Nitrite | 7632-00-0 | MA,NJ1,NY,PA1,PA3 |

MA=Hazardous Substance NJ1=New Jersey RTK 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

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.