

# Safety Data Sheet

Product Name: A-136

Revision Date: May 19, 2011

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## Section #1: Chemical Product and Company Identification

Product Name: A-136

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:

Classification Number and Name

Appendix Reference

Hazard Statement

Hazard Category

### Precautionary Statements

**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"/> 1-Bromo-3-Chloro-5, 5-Dimethylhydantoin	16079-88-2	90-96%	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.

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## Section #4: First Aid Measures

**EMERGENCY OVERVIEW:** Highly corrosive. Causes skin and eye damage. May be fatal if swallowed. Avoid breathing dust.

**Eye:** Immediately flush with water for 15 minutes - be sure eyelids are held open during flushing. Get immediate medical attention.

**Skin:** If irritation occurs, consult physician.  
Brush off excess chemical and flush skin with cold water for at least 15 minutes. Remove contaminated clothing and footwear.

**Inhalation:** Remove to fresh air if effects occur.  
If breathing is difficult, have trained person administer oxygen.  
If not breathing, give artificial respiration, call a physician immediately.

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

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

**Effects of Acute Exposure:** Eye: Burns, possible permanent damage. Corrosive depending on length of exposure and solution concentration.  
Skin: Severe burns may occur. Corrosive depending on length of exposure and solution concentration.  
Inhalation: Irritation may occur. Dust may cause coughing and sneezing.  
Ingestion: May be fatal if swallowed.

**Effects of Chronic Exposure:** None known  
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):**

3 / 1 / 1

**NFPA Code Legend**

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

**Extinguishing Media:** Water, fog.  
Do not use ABC or other dry chemical extinguishers since there is the potential for a violent reaction.

**Unusual Fire and Explosive Hazards:** Fires fueled by other materials may release hydrogen bromide, bromine, hydrogen chloride, or chlorine.  
This product if heated by an outside source to temperatures above 320°F will undergo self-sustaining decomposition with the evolution of heat and hence noxious gases. A fire of great intensity may result. Any spilled material should be considered contaminated. Neutralize to a non-oxidizing material for safe disposal.

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

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## Section #6: Accidental Release Measures

**Spill and Leak Procedure:** Contain spilled material. Do not add water to spilled material.  
Using clean dedicated equipment sweep and scoop all spilled material, contaminated soil and other contaminated material and place in clean dry container for disposal.  
Do not use floor sweeping compounds to clean up spills.  
Do not close containers containing wet or damp materials, keep open to disperse any hazardous gases that may form.  
Do not transport wet or damp material.  
Keep product out of sewers and water systems.

**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.  
Do not ingest.  
Never add water to product. Always add product to large quantities of water.

**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.  
Contamination with moisture, organic matter or other chemicals will start a chemical reaction and generate heat, hazardous gas, possible fire and explosives.

## Section #8: Exposure Controls / Personal Protection

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

**Ventilation:** Provide adequate exhaust ventilation to control work place concentrations.

**Eye Protection:** Eyewash fountain in the workplace strongly recommended.  
Chemical safety goggles.

**Skin Protection:** Rubber gloves.  
Shower recommended.

**Respiratory Protection:** Use adequate ventilation. A respiratory protection program must be followed whenever workplace conditions warrant a dust mask or respirator use.

**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:** Solid White Tablet

**Odor:** Faint Halogen Odor

**Odor Threshold:** No Information Available.

**pH (1% sol'n, unless noted):** 4.5

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

**Boiling Point (deg. F):** Not applicable.

**Flash Point:** None

**Evaporation Rate:** Slower than Butyl Acetate

**Flammability (NFPA Rating):** 1

**Flammable Limits:** Not applicable.

**Vapor Pressure:** Not applicable.

**Vapor Density:** Is heavier than air (air=

**Relative Density:** No Information Available.

**Solubility in Water:** 0.15 g/100g of water.

**Partition Coefficient:** No Information Available.

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

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

**Viscosity:** No Information Available.

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## Section #10: Stability and Reactivity

**Reactivity (NFPA Rating):** 1

**Chemical Stability:** Stable

**Hazardous Reactions:** Will not occur.

**Conditions to Avoid:** Poor Ventilation, Contamination, Moisture/High Humidity

**Incompatibility:** Oxidizing Agents. Reducing Agents. Acids, Ammonia, Urea, Etc.

**Hazardous Decomposition Products:** Halogen containing gases can be produced. Oxides of carbon.

## Section #11: Toxicological Information

This product is corrosive to eyes, skin, etc.

LD50 oral rat: 578 mg/kg

LD50 skin rabbit: 2000 mg/kg

**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

Toxic to fish and aquatic organisms.

LC50, 96hrs, Fish: 0.87 mg/l

EC50, 48 hrs, Daphnia: 0.46 mg/l

## 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.

## Section #14: Transport Information

**DOT Proper Shipping Name:** OXIDIZING SOLID, N.O.S. (1-Bromo-3-chloro-5, 5-Dimethylhydantoin) UN 1479

**DOT Hazard Class:** 5.1

**DOT UN Number:** UN 1479

**DOT Label:** Oxidizer Label

**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.

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## 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:** 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: 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

## 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.