

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.4.1 Acute Toxicity - Oral	A.1	Harmful if swallowed	4
C.4.2 Acute Toxicity - Dermal	A.1	Harmful in contact with skin	4
C.4.3 Acute Toxicity - Inhalation	A.1	Harmful if inhaled	4
C.4.4 Skin Corrosion/Irritation	A.2	Causes severe skin burns and eye damage	1C
C.4.5 Eye Damage/Irritation	A.3	Causes serious eye damage	1

Precautionary Statements

Prevention

Do not breathe dusts or mists.
Avoid breathing dust/fume/gas/mist/vapors/sp ray.
Wash exposed body parts thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Wear eye protection/face protection
Wear protective gloves/protective clothing.
Wear protective gloves/protective clothing/eye protection/face protection.

Response

If swallowed: Immediately call a poison center/doctor.
If swallowed: Rinse mouth. Do NOT induce vomiting.
If on skin: Wash with plenty of water.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a poison center/doctor.
Call a poison center/doctor if you feel unwell.
Rinse mouth.
Take off contaminated clothing and wash it before reuse.
Wash contaminated clothing before reuse.

Storage

Store locked up.

Disposal

Dispose of contents/container to comply with all local, state, and federal regulations.

Other Hazards: No other hazards identified during the classification process.

Unknown Acute Toxicity: No ingredients of unknown toxicity.

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Section #3: Composition/Information on Ingredients

Chemical Name	CAS Number	Weight %	OSHA PEL	ACGIH TLV
<input checked="" type="checkbox"/> Diethylaminoethanol	100-37-8	8-12%	50 mg/m ³	9.6 mg/m ³

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 #4: First Aid Measures

EMERGENCY OVERVIEW: May cause irritation or severe irritation to eyes, skin, mucous membrane, etc.

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. Wash with soap and water. Remove contaminated clothing. If irritation occurs, consult physician.

Inhalation: Remove to fresh air if effects occur. Consult physician

Ingestion: Do NOT induce vomiting. If conscious, drink large amounts of water or milk. Consult physician - get medical attention. Never give anything by mouth to an unconscious person.

Potential Health Effects: See Section 11 for toxicological data

Effects of Acute Exposure: Eye: Irritation or severe irritation or damage may occur depending on length of exposure and solution concentration.

Skin: Irritation or severe irritation or damage may occur depending on length of exposure and solution concentration. May be absorbed through the skin.

Inhalation: Irritation to the nose, throat, and respiratory tract may occur depending on length of exposure and solution concentration.

Ingestion: Ingestion is not expected to be a primary route of exposure. Small amounts sw

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

Medical Conditions Generally Aggravated by Exposure: Pre-existing eye, skin or respiratory conditions.

Section #5: Fire-Fighting Measures

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

1 / 2 / 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: None known.

Special Fire Fighting Procedures: Fire fighters should wear full protective gear including self-contained breathing apparatus. Use water spray to keep fire exposed containers cool.

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. Small spills: Mop up, wipe up or soak up immediately. Remove to out of doors. Large spills: Contain liquid, transfer to closed poly containers. Contain spill. Keep out of drains, sewers, lakes, streams, or other water systems. Use absorbent to clean up. Transfer to suitable container for disposal.

Disposal: Dispose of in accordance with applicable environmental standards.

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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 but protect from freezing. Normal shelf life 1 year. Do not store with or near food supplies or potable water.

Section #8: Exposure Controls / Personal Protection

Permissible Exposure Limits: OSHA PEL: 50 mg/m³ for Diethylaminoethanol

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

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

Skin Protection: Rubber gloves. Shower recommended.

Respiratory Protection: Respiratory protection may be required for work areas where exposure by inhalation may occur and eng

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: Clear To Light Amber Liquid

Odor: Ammonia-like Odor

Odor Threshold: No Information Available.

pH (1% sol'n, unless noted): 11.6

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

Boiling Point (deg. F): Greater than 212

Flash Point: Greater than 200°F.

Evaporation Rate: Similar to water

Flammability (NFPA Rating): 2

Flammable Limits: Not determined.

Vapor Pressure: <17

Vapor Density: 0.6

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: Strong acids. Oxidizing agents.

Hazardous Decomposition Products: Oxides of carbon and nitrogen.

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.

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Section #13: Disposal Considerations

Best route is to use product for its originally intended purpose. Dispose of in accordance with applicable environmental standards.

Section #14: Transport Information

DOT Proper Shipping Name: CORROSIVE LIQUID, N.O.S. (Diethylaminoethanol) 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 ignitability.

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 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
Diethylaminoethano	100-37-8	MA,MN,PA1

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

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.