

Safety Data Sheet

Product Name: 6543

Revision Date: June 4, 2015

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Section #1: Chemical Product and Company Identification

Product Name: 6543

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**



Flame



Exclamation Mark



Corrosion



Health Hazard

<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
C.4.19 Flammable Liquids	B.6	Flammable liquid and vapor	3
C.4.10 Toxic to Reproduction	A.7	Suspected of damaging fertility or the unborn child.	2

Precautionary Statements

Prevention

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Keep container tightly closed.

Ground/Bond container and receiving equipment.

Use explosion-proof electrical/ventilation/lighting equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Do not breathe dusts or mists.

Avoid breathing dust/fume/gas/mist/vapors/spray.

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/eye protection/face protection.

Wear protective gloves/protective clothing.

Response

In case of fire: Use dry chemical, carbon dioxide, foam to extinguish.

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.

If exposed or concerned: Get medical advice/attention.

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.

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Storage

Store in a well-ventilated place. Keep cool.

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.

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"/> Diethylaminoethanol	100-37-8	9-11%	50 mg/m ³	9.6 mg/m ³
<input checked="" type="checkbox"/> Cyclohexylamine	108-91-8	9-11%	unknown	10 ppm

☒ 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: Can cause eye and skin irritation and burns. Can cause respiratory tract irritation and burns.

Eye: Immediately flush with water for minimum of 15 minutes. Consult physician immediately.

Skin: Flush with water for 15 minutes. 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 quantities of water. Never give anything by mouth to an unconscious person. If swallowed, seek medical attention.

Potential Health Effects: See Section 11 for toxicological data

Effects of Acute Exposure: Eye: Irritation may occur. Burns, possible permanent damage. Can be corrosive depending on length of exposure and solution concentration.

Skin: Irritation may occur. May be absorbed through the skin. Burns may occur. Can be corrosive depending on length of exposure and solution concentration.

Inhalation: Irritation or burns may occur. Vapor, fumes may cause burning sensation, coughing, sneezing, headache, nausea and vomiting.

Ingestion: Ingestion is not expected to be a primary route

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

Medical Conditions Generally Aggravated by Exposure: Skin contact may aggravate an existing dermatitis. Overexposure to vapor may aggravate an existing respiratory condition.

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Section #5: Fire-Fighting Measures

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

2 / 2 / 0

NFPA Code Legend

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

Extinguishing Media: Dry chemical, carbon dioxide, or alcohol foam. Water spray may be used to keep fire exposed containers cool. Water may be used to flush spills away from exposures and to dilute spills.

Unusual Fire and Explosive Hazards: Oxides of nitrogen, carbon dioxide and carbon monoxide can occur. May release vapors that travel long distances, ignite and flash back. Containers may explode in a fire.

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: Clay, soil or commercially available absorbent may be used to recover material. Do not use combustible materials, such as saw dust.
Small spills: Wash area with water. Water must go to a treatment plant not to the environment.
Large spills: Recover as much of the material as possible for use as originally intended. Dike or contain with soil or other absorbent material and place into chemical waste container.
Eliminate sources of ignition. Provide good ventilation. Flush area with detergent

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. Storage and use areas should be No Smoking areas. Keep away from heat, sparks, and other sources of ignition. Store below 120°F. 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: Components:
Cyclohexamine - ACGIH 10 ppm
Diethylaminoethanol - ACGIH 2 ppm

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 and exposure limit is not exceeded.

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

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Section #9: Physical and Chemical Properties

Appearance:	Clear To Light Amber Liquid	Flammable Limits:	Not determined.
Odor:	Ammonia-like Odor	Vapor Pressure:	Similar to water
Odor Threshold:	No Information Available.	Vapor Density:	Similar to water
pH (1% sol'n, unless noted):	Greater Than 12	Relative Density:	No Information Available.
Melting Point (deg. F):	No Information Available.	Solubility in Water:	Complete
Boiling Point (deg. F):	Greater than 212	Partition Coefficient:	No Information Available.
Flash Point:	118°F	Auto-ignition (deg. F):	No Information Available.
Evaporation Rate:	Similar to water	Decomposition (deg. F):	No Information Available.
Flammability (NFPA Rating):	2	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. Cellulose nitrate, nitrometh

Hazardous Decomposition Products: Burning may produce carbon monoxide, carbon dioxide, nitroge

Section #11: Toxicological Information

Prolonged and/or repeated exposure to vapors can cause headaches and respiratory system irritation.
This product is corrosive to eyes, skin, etc.
Inhalation and skin contact are expected to be the p

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 on product.

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 LIQUIDS, FLAMMABLE, N.O.S. (Cyclohexylamine, Diethylaminoethanol)

DOT Hazard Class: 8, 3

DOT UN Number: UN 2920

DOT Label: CORROSIVE

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: No components of this product are listed.
Product waste may exhibit characteristic of corrosiveness

CERCLA RQ: No components of this product are listed.
Product spills may exhibit the characteristic of corrosiveness.

SARA Title III

Extremely Hazardous Substance: Listed: "Cyclohexylamine" RQ 10,000 lbs (100,000 lbs of this product)

Hazardous Substance: Hazard due to: Corrosiveness
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

CHEMICAL NAME	CAS NUMBER	LIST
Cyclohexylamine	108-91-8	FL,MA,MN,NJ1,NJ2,NY,PA1,PA3
Diethylaminoethanol	100-37-8	FL,MA,MN,PA1

FL=Florida Toxic Substance MA=Massachusetts Hazardous Substance. MN=Minnesota Hazardous Substance
NJ1=New Jersey RTK Hazardous Substance NJ2=New Jersey TCPA Extremely Hazardous Substance. NY=New York
Hazardous Substance PA1=Pennsylvania Haza

Section #16: Other Information

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No other information listed.

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.