

MATERIAL SAFETY DATA SHEET
SIMILAR TO OSHA FORM 20

IDENTITY: R-94

SECTION I

Manufacturer's Name: Nortech Water & Energy, Inc.
Address: 35 Connecticut Ave., Norwich, CT 06360
Emergency Telephone Number: 800-424-9300
Telephone Number for Information: 860-887-9050
Date Prepared: 8-28-95

SECTION II Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Names):

Diethylaminoethanol CAS# 100-37-8 TLV-OSHA TWA 10 ppm, 50mg/m³

Comments: Class 3B Combustible Liquid Flashpoint over 200 degrees F

SECTION III Physical/Chemical Characteristics

Boiling Point: 212 F
Specific Gravity (H₂O=1): .98
Vapor Pressure (mm Hg.): NE
Melting Point: NA
Vapor Density (AIR=1): NE
Evaporation Rate (Butyl Acetate=1): NE
Solubility in Water: Complete
Appearances and Odor: Water white liquid, mild fishy odor.

SECTION IV Fire and Explosion Hazard Data

Flash Point (Method Used): Greater than 200 degrees F TCC
Flammable Limits: NE LEL: NE UEL: NE
Extinguishing Media: Water spray, water fog, CO₂, foam
Special Fire Fighting Procedures: Do not direct water stream into burning liquid

NA - not applicable

NE - not established

Unusual Fire and Explosion Hazards: NA

SECTION V Reactivity Data

Stability: Stable: X Unstable:

Conditions to Avoid: Heat and open flame.

Incompatibility (Materials to Avoid): Strong acids and oxidizers.

Hazardous Decomposition or Byproducts:

Hazardous Polymerization: May Occur: Will Not Occur: X

Conditions to Avoid: NA

SECTION VI Health Hazard Data

Route(s) of Entry: Inhalation: X Skin: X Ingestion: X

Health Hazards (Acute and Chronic): Oral (rat) LD50 = 1300mg/kg

Carcinogenicity: Negative

NTP: NA IARC Monographs: NA OSHA Regulated: NA

Signs and Symptoms of Exposure:

Eyes: Corrosive, causes irritation or burns to eyes and mucous membranes.

Skin: Corrosive, irritant. May cause burns or dermatitis.

Medical Conditions

Generally Aggravated by Exposure: NA

Emergency and First Aid Procedures:

EYE CONTACT: Flush with plenty of water for 15 min. See a physician.

SKIN CONTACT: Wash with soap and water. Wash contaminated clothing before reuse. Discard contaminated shoes.

INGESTION: Do not induce vomiting. Give plenty of water. Get medical attention.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. Give oxygen. Get medical attention.

SECTION VII Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled: Extinguish all ignition sources. Ventilate area. Prevent spread of spill. Absorb with sand or inert material. Place in metal container and seal.

Waste Disposal Method: In accordance with local, state and federal regulations.

Precautions to be Taken in Handling and Storing: Store away from heat and open flame in a well ventilated area. Wash thoroughly after handling. Do not get into eyes, on skin or clothing. Do not breathe vapors.

Other Precautions: Empty container may contain hazardous residues. Do not grind, or weld on or near container. Explosion hazard. Do not use zinc or aluminum valves to draw off material.

SECTION VIII Control Measures

Respiratory Protection (Specify Type): Amine cartridge

Ventilation (Local/Mechanical/Special): Use with adequate ventilation.

Protective Gloves: Impermeable

Eye Protection: Chemical goggles

Other Protective Clothing or Equipment: Rubber boots, apron

Work/Hygienic Practices: Avoid repeated personal and clothing contact.

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