



NORTH Metal and Chemical Co.

1. Company Identification and Product Hazard Overview:

Product Name : Diethylaminoethanol
Synonyms : DEAE, Diethylethanolamine, DEEA
Recommended Use : Used as a neutralizing agent in boiler treatment, and as a chemical intermediate in the production of floor polishes, pesticides, coatings, and pharmaceuticals.
Manufactured for : **NORTH Metal and Chemical Company**
P. O. Box 1985 609 E. King St.
York, PA USA 17405 York, PA USA 17403
Tel: 717-845-8646 Fax: 717-846-7350
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In Case of Emergency: Call CHEMTREC (24H): 1-800-424-9300

2. Hazard Identification:

GHS Classification:

Flammable Liquids (Category 3)
Acute Toxicity, Oral (Category 4)
Acute Toxicity, Inhalation (Category 3)
Acute Toxicity, Dermal (Category 3)
Skin Corrosion (Category 1B)
Serious Eye Damage (Category 1)
Skin Sensitization (Category 1)
Acute Aquatic Toxicity (Category 3)
Chronic Aquatic Toxicity (Category 3)

Signal Word: DANGER

Pictograms: Flammable, Corrosion, Acute Toxicity



Hazard Statements:

H226 : Flammable liquid and vapor
H302 + H312 + H332 : Harmful if swallowed, in contact with skin or inhaled
H314 : Causes severe skin burns and serious eye damage.
H317 : May cause an allergic skin reaction
H318 : Causes serious eye damage
H412 : Harmful to aquatic life with long lasting effects

9. Chemical and Physical Properties:

10. Stability and Reactivity:

11. Toxicological Information:

11. Toxicological Information:

Specific target organ toxicity - single exposure:

No data available

Specific target organ toxicity - repeated exposure:

No data available

Aspiration Hazard:

No data available

Additional Information:

RTECS: KK5075000

Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin.
Cough, Shortness of breath, Headache, Nausea

Stomach - Irregularities - Based on Human Evidence

12. Ecological Information:

All work practices must be aimed at eliminating environmental contamination.

Toxicity

Toxicity to fish: LC50 - *Leuciscus idus* (Golden orfe) - 100 - 220 mg/l - 96h

Toxicity to daphnia and other aquatic Invertebrates:

EC50 - *Daphnia magna* (Water flea) - 83.6 mg/l - 48h

Toxicity to algae: EC50 - Algae - > 30 mg/l - 72h

Biodegradability: Biotic/Aerobic - Exposure time 14d

Bioaccumulative Potential:

No data available

Mobility in soil:

No data available

Results of PBT and vPvB assessment:

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other Adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Harmful to aquatic life.

13. Disposal Considerations:

- Disposal Method** : Dispose of waste at an appropriate waste disposal facility according to current applicable laws and regulations.
- For Large Spills** : Contain material and call local authorities for emergency assistance.
- Product Disposal** : Dispose of at a supervised incineration facility or an appropriate waste disposal facility according to current applicable local, state and federal laws, regulations and product characteristics at time of disposal.
- Empty Container** : Contaminated container should be labeled and disposed in accordance to local, state and federal laws and regulations.
- General Comments** : Refer to section 6, accidental release measures for additional information.

14. Transport Information:

Regulatory Information	UN No.	Proper Shipping Name	UN Class	Packing Group	Labels
US DOT	2686	2-Diethylaminoethanol	8 (3)	II	Corrosive Sticker Flammable Sticker
IMDG	2686	2-Diethylaminoethanol	8 (3)	II	Corrosive Sticker Flammable Sticker
IATA	2686	2-Diethylaminoethanol	8 (3)	II	Corrosive Sticker Flammable Sticker

15. Regulatory Information:

U.S. Federal Regulations:

SARA 302 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313

SARA 311/312: Fire Hazard, Acute Health Hazard, Chronic Health Hazard

Massachusetts Right to know Components: Diethylethanolamine CAS No. 100-37-8

Pennsylvania Right to know Components: Diethylethanolamine CAS No. 100-37-8

New Jersey Right to know Components: Diethylethanolamine CAS No. 100-37-8

California Proposition 65 Components: This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

WHMIS Canada: Class B-2: Flammable liquid with a flash point lower than 31°C. Class D-1B: Material causing immediate and serious toxic effects (TOXIC). Class E: Corrosive liquid

OSHA Hazcom Standard Rating: Hazardous

US Toxic Substances Control Act: Listed on the TSCA inventory

16. Other Information:

HMIS and NFPA Rating Scale:

HMIS: Hazardous Materials Identification System

Numeric Scale for Health (Blue), Flammability (Red), and Physical Hazard (Yellow):

HMIS Rating:*

HEALTH	3
FLAMMABILITY	2
PHYSICAL HAZARD	0
PERSONAL PROTECTION	C

RATING	HEALTH	FIRE HAZARD	PHYSICAL HAZARD
0	No significant risk to health	Will not burn	Product stable under ambient temperature and condition.
1	Can cause irritation or minor reversible injury.	Must be preheated to burn	Product can become unstable at high temperatures and pressures.
2	Can cause temporary or residual injury	Ignites when moderately heated	Product can become unstable and cause violent chemical reaction at normal pressures and temperatures
3	Can cause serious injury	Ignition occurs at normal temperature	Product capable of forming explosive mixtures and is capable of detonation in presence of strong initiating source.
4	Can be lethal from single or repeated exposure.	Extremely flammable	Product is highly explosive and unstable. Exothermic reactions possible with decomposition, polymerization, reaction with water or self reaction

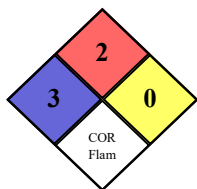
Personal Protection Code C: Gloves + Safety Goggles + Chemical Apron

NFPA: National Fire Protection Association

Numeric Scale for Health (Blue), Fire Hazard (Red), and Reactivity (Yellow):

Special (White)

NFPA Rating:*



RATING	HEALTH	FIRE HAZARD	REACTIVITY
0	Minimal Hazard	Will not burn	Normally Stable
1	Can cause significant irritation	Must be preheated to burn	Unstable at high temperatures
2	Can cause temporary incapacitation or residual injury	Ignites when moderately heated	Normally unstable. Can readily go under violent chemical reaction but do not detonate.
3	Can cause permanent injury.	Ignition occurs at normal temperature	Capable of detonation, or of explosive reaction, but requires a strong ignition source.
4	Can be lethal.	Extremely flammable	May explode at normal temperatures and pressures

Revision Date: October 26, 2018

Reason for Revision: Revised for inconsistencies.

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