

SAFETY DATA SHEET

SECTION 1 - COMPANY AND PRODUCT IDENTIFICATION

PRODUCT

Product Name: MDEA N-MONODIETHANOLAMINE
Control Number: 00201
Product Description: Ethanol Amine

COMPANY IDENTIFICATION

Supplier: Chemical Distribution Solutions
1125 Oak St. Ste. 303
Conway, AR 72032

24 Hour Emergency Telephone: (800) 424-9300 CHEMTREC
General Information: (501) 978-1111

SECTION 2- HAZARDS IDENTIFICATION

GHS Classification:

[Health]

[Environmental]

[Physical]

Eye irritation Category 2A

GHS Label elements, including precautionary statements

Pictograms



Signal Word: Warning

Hazard statement(s)

H319 Causes serious eye irritation.

Precautionary statement(s)

P264 Wash skin thoroughly after handling.

P280 Wear protective gloves/ eye protection/ face protection.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS Number	%WT
N-Methyldiethanolamine	105-59-0	100

SECTION 4 - FIRST AID MEASURES

FIRST AID PROCEDURES:

Eye Contact: In case of contact, flush eyes with plenty of water for at least 15 minutes. Seek medical attention/advice.

Skin Contact: Wash with soap and water. Get medical attention if symptoms develop. Seek medical attention/advice.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. Seek medical attention/advice.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Seek medical attention/advice.

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SECTION 5 - FIRE FIGHTING MEASURES

Suitable Extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Hazardous combustion products: Oxides of carbon and nitrogen

Fire Fighting Procedures: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Unusual Fire and Explosion Hazards: Containers can build up pressure if exposed to heat and/or fire. Use water spray to keep fire-exposed containers cool. Containers may explode in the heat of a fire.

SECTION 6 - ACCIDENTAL RELEASE and DISPOSAL MEASURES

Spills: Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas.

Large Spills: Dike spill area to contain liquid. Salvage as much re-useable liquid as possible into a suitable container. Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal. Avoid contaminating ground and surface water

SECTION 7 - STORAGE AND HANDLING

Handling: Do not get in eyes or on skin. Do not breathe vapors or mists. Use good hygiene practices.

Storage: Keep container tightly closed in a dry and well-ventilated place. Containers which are opened should be carefully resealed and kept upright to prevent leakage.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls: Provide adequate ventilation or other engineering controls to keep the airborne concentrations of vapor or mists below the applicable workplace exposure limits indicated below. The level of protection and types of controls will vary depending upon potential exposure conditions.

Exposure Limits: N-Methyldiethanolamine Contains no substances with occupational exposure limit values.

Personal Protective Equipment (PPE):

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133.

Skin: If prolonged or repeated skin contact is likely, wear appropriate protective gloves.

Clothing: Selection of protective clothing depends on work conditions, potential exposure conditions and may include gloves, boots, suits and other protective items.

Respirators: Where adequate ventilation is not available an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of OSHA Respiratory Protection Standard, 29 CFR 1920.134. In confined areas, use a self-contained breathing apparatus.

Other Equipment: Eye wash station and shower in close proximity to use are advised.

SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES

Flash Point: 261 °F

Autoignition Temperature: 536 °F

Boiling Point: 475 - 478 °F

Melting Point: -6.3 °F

Vapor Pressure: < 0.01 mmHg

Vapor Density (Air-1): 4.1

Odor/Appearance: Clear light yellow liquid with slight ammonia odor

Flammability Limits: Lower: 1 Upper: 9

Specific Gravity: 1.038

Volatile %: No available data

Evaporation Rate (Water=1): No available data

pH: 11.5 (1% Soln.)

Solubility in Water: miscible

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SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability: Stable under normal use and temperature conditions.

Conditions to Avoid: No published data.

Incompatible materials: Oxidizing agents. Do not store near acids.

Hazardous Polymerization: Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Signs and Symptoms of Overexposure:

Skin: Skin inflammation is characterized by itching, scaling, reddening, or, occasionally blistering.

Eyes: Inflammation of the eye is characterized by redness, watering, and itching.

Inhalation: Causes irritation of the mouth, throat and esophagus.

Ingestion: Causes irritation and possible burns of the mouth, throat and esophagus.

Acute oral toxicity:

LD50 rat: 4,680 mg/kg

Acute inhalation toxicity:

No available data

Acute dermal toxicity

No available data

SECTION 12 - ECOLOGICAL INFORMATION

Aquatic Toxicity: Toxicity to fish static test LC50 - *Leuciscus idus* (Golden orfe) - 1,466 mg/l - 96 h

Bio-accumulative potential: Not biodegradable.

Mobility: No Available Data

SECTION 13 - DISPOSAL CONSIDERATIONS

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

SECTION 14 - TRANSPORTATION

U.S. DEPARTMENT OF TRANSPORTATION (Road or Rail):

Proper Shipping Name: Not a DOT Regulated Material

Hazard Class:

UN Number:

Packaging Group:

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SECTION 15 - REGULATORY INFORMATION

US FEDERAL REGULATIONS

Comprehensive Environmental Response and Liability Act (CERCLA)

This material is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).

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

Toxic Substance Control Act (TSCA): All components of this product are listed on the TSCA inventory list.

SARA Section 311/312 (40 CFR 370) Hazard Categories:

Acute Health Hazard

SARA Section 313 (40 CFR 372) Hazard Categories:

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.

Clean Water Act: None of the chemicals in this product are listed as Hazardous Substances under the CWA

Clean Air Act: None of the chemicals in this product are listed as Hazardous Substances under the CCA.

California Prop 65: This product contains no chemicals known by the State of California to cause cancer, birth defects or other reproductive harm.

SECTION 16 - OTHER INFORMATION

MSDS Revision Date: December 2014

National Fire Protection Association (NFPA) Ratings: This information is intended solely for the use of individuals trained in the NFPA system.

Health: 2

Flammability: 1

Reactivity: 0

The data in this Safety Data Sheet relates to the specific material designated and does not relate to its use in combination with any other material or process. The data contained is believed to be correct. However, since conditions of use are outside our control it should not be taken as warranty or representation for which Chemical Distribution Solutions assumes legal responsibility. This information is provided solely for your consideration, investigation, and verification.