



MATERIAL SAFETY DATA SHEET

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SECTION 1 - PRODUCT INFORMATION

PRODUCT NAME:	NAXAMIDE® CD-231	ISSUE DATE:	07/12/05
CHEMICAL NAME:	Modified fatty coco diethanolamide	SUPERSEDES:	06/02/05
CAS NUMBER:	Trade Secret		
PRODUCT CODE:	3215		
MSDS NO.:	1-14103		

SECTION 2 - HAZARD IDENTIFICATION

Appearance & Odor: Amber liquid, mild amine odor

Primary Routes of Exposure: Skin, Eyes and Respiratory tract

Health Hazard Warnings: WARNING! Contact with eyes will cause moderate to severe irritation. Prolonged or repeated skin contact can cause severe irritation experienced as redness, swelling and possible chemical burns. Overexposure to mists may cause upper respiratory tract irritation and coughing.

Inhalation: Prolonged or repeated overexposure to mists may cause upper respiratory tract irritation and coughing, difficulty in breathing, shortness in breath and an inflamed throat.

Skin Contact: May cause mild irritation to the skin with brief contact. Prolonged or repeated overexposure to liquid may cause more severe irritation, redness, swelling and possible chemical burns.

Eye Contact: Contact with eyes will moderate to severe irritation and possibly irreversible injury.

Ingestion: Can cause irritation to the mouth, throat, esophagus, vomiting, and diarrhea. Ingestion will cause Irritation of the gastrointestinal tract, dizziness and weakness. May cause damage to liver and kidney.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

<u>CHEMICAL NAME</u>	<u>CAS REGISTRY NO.</u>	<u>PERCENT</u>
Modified fatty coco diethanolamide	Trade secret	73 – 75
Diethanolamine	111-42-2	25 – 27

SECTION 4 - FIRST AID MEASURES

Eyes: Immediately flush eyes with water for 10-15 minutes. Hold eyelids apart and roll eyes up and down to assure complete washing. Seek medical attention.

Skin: Thoroughly flush the affected area with plenty of water while removing contaminated clothing and equipment. Wash with water for at least 15 minutes.

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SECTION 4 – FIRST AID MEASURES (CONT.)

Inhalation: Immediately move the patient to fresh air and call a physician. If breathing is difficult, give oxygen. If not breathing, begin artificial respiration.

Ingestion If swallowed, call a physician. Never give anything by mouth to an unconscious person. Only induce vomiting at the instruction of a physician.

Other Specific Instructions In the event of exposure, seek medical attention immediately. Do not give chemical antidotes unless directed to do so by the physician.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: > 350 °F (COC)

Auto Ignition: No data available

Explosive Limits; UEL/LEL: No data available

Extinguishing Agents: Use water spray, dry chemical, carbon dioxide, or foam extinguishing agents.

Fire & Explosion Hazards: As in any fire prevent human exposure to fire, smoke, fumes or products of combustion. Firefighters should wear recommended exposure control equipment including a self-contained breathing apparatus. Cool containers with water that are exposed to flames.

Hazardous Combustion Products: Thermal decomposition produces oxides carbon.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Protective Equipment: Appropriate protective equipment must be worn when handling a spill of **NAXAMIDE® CD-231**. See Section 8 - Exposure Control, for recommendations.

Spill or Leak Information: Absorb spill with an inert material (i.e. vermiculite, soil, etc.). Sweep or scoop material into a container for disposal. Flush spill area with plenty of water to a chemical sewer. Collect water for proper disposal.

SECTION 7 - HANDLING AND STORAGE

Handling Conditions: Emptied container may retain product residues. Follow all warnings and precautions even after container is emptied.

Storage Conditions: Keep container tightly closed when not in use. Prevent material from freezing. Store material below 120 °F.

SECTION 8 - EXPOSURE CONTROL

Exposure Limits: 0.46 ppm; TWA (Diethanolamine)

Eye Protection: Use safety goggles.

Skin Protection: Skin contact with material should be minimized through the use of suitable impervious gloves. Butyl rubber or neoprene gloves are recommended.

Respiratory Protection: Wear an NIOSH/MSHA approved respirator with an organic vapor cartridge with a dust/mist prefilter for the concentrations at the point of use. A self-contained breathing apparatus should be used if there is the potential for high airborne concentrations of this material.

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SECTION 8 - EXPOSURE CONTROL (CONT.)

Ventilation: Good general ventilation in addition to local exhaust ventilation should be provided.

Other Protective Equipment: Safety showers and eye wash stations where material is being handled. Wash hands and face before eating, using tobacco products or using the washroom. Smoke and eat only in designated areas. Take a warm shower and change clothing daily. Clothing and shoes used while handling this material should not be worn or taken away from the workplace.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Amber liquid

Odor: Mild amine

Melting Point: No data available

Boiling Point: No data available

Evaporation Rate (butyl acetate=1): < 0.1

pH: No data available

Vapor Pressure (mm Hg): < 2 mmHg

Vapor Density (Air=1): 3.6 (diethanolamine)

Specific Gravity/Density: 1.01 @ 25 °C

Solubility in Water: Soluble

Flash Point: > 350 °F (COC)

Auto Ignition: No data available

SECTION 10 -STABILITY AND REACTIVITY

Stability: Stable under normal conditions of storage and handling.

Incompatibility: Avoid strong oxidizers and acids. Diethanolamine is corrosive to copper and copper alloys.

Polymerization: Not expected to occur.

Decomposition: When heated to decomposition, may emit highly toxic oxides of carbon.

SECTION 11 -TOXICOLOGICAL INFORMATION

Acute Data: The information shown in Section 2 - Hazard Identification, is based on the toxicity profile of Diethanolamine:

Ingestion: Oral LD₅₀ (rat): 710 - 2,300 mg/kg

Skin: Dermal LD₅₀ (rabbit): 12,000 mg/kg

Sensitization: Modified fatty coco diethanolamide is not known to be a sensitizer.

Carcinogenicity/Mutagenicity: Modified fatty coco diethanolamide is not known to be a human or animal carcinogen.

Teratogenicity/Reproductive Toxicity: Modified fatty coco diethanolamide is not known to cause teratogenicity or reproductive toxicity.

SECTION 12 -ECOLOGICAL INFORMATION

Ecotoxicological Data: The ecological toxicity of this product is not known. However, it should be considered toxic to fish.

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SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal: This product if discarded as supplied, is considered non-hazardous as defined by RCRA. Dispose of in accordance with local, state and federal regulations.

SECTION 14 - TRANSPORT CONSIDERATIONS

Shipping Description: Non-Regulated in containers less than 370 lbs.
Bulk Containers: RQ, Environmentally hazardous substances, liquid, n.o.s. (Diethanolamine)

Hazard Class: 9

ID No.: UN3082

PG: III

Labels: Class 9

SECTION 15 - REGULATORY CONSIDERATIONS

OSHA Regulatory Status: This product is a hazardous chemical under 29 CFR 1910.1200

SARA Title III

Section 311/312: This product is categorized as an immediate and delayed health hazard according to EPA under Section 311/312 of SARA.

Section 313: This product contains the following chemicals subject to 313 reporting:

CERCLA:	Diethanolamine	111-42-2
	Diethanolamine	111-42-2
Pennsylvania Right-to-Know:	Diethanolamine	111-42-2; Environmental
California Proposition 65:	Not applicable	

Chemical Control Law Status:

The components of this product are in compliance with the inventory listing requirements of the Chemical Control Laws in the following countries: Australia, Canada, United States of America, China, Europe, Korea and the Philippines.

WHMIS Ingredient Disclosure List:

Diethanolamine	111-42-2
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HMIS Health Rating: 2

HMIS Fire Rating: 0

HMIS Physical Hazard Rating: 0

HMIS Other: NA

SECTION 16 - OTHER CONSIDERATIONS

Prepared by Regulatory Staff Phone No.: (814) 238-2424

MSDS No.: 1-14103

Issue Date: 7/12/05

Emergency Phone No.: CHEMTREC 800-424-9300

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