



NAXAMIDE® CD-231

SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Chemical Name	Mixture
Trade name	NAXAMIDE® CD-231
CAS No.	Mixture

Relevant identified uses of the substance or mixture and uses advised against

Identified use(s)	surfactant
Uses advised against	None

Details of the supplier of the safety data sheet

Company Identification	Catexel Nease LLC 10740 Paddys Run Road Harrison, OH 45030
Telephone	(513) 738-1255
Telephone (Product Information)	(888) 762-7373
Fax	(513) 587-2828
E-Mail (competent person)	techservice@catexel.com

Emergency telephone number

Emergency Phone No.	(513) 738-1255 CHEMTREC 24 hr. (800) 424-9300
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SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

OSHA HCS (29 CFR 1910.1200)	Eye Dam. 1; Skin Irrit. 2; STOT RE 2
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Label elements

Hazard Symbol



DANGER

Signal word(s)

Hazard statement(s)

Causes serious eye damage.
Causes skin irritation.
May cause damage to organs through prolonged or repeated exposure.
(Organs: Liver, Kidneys, Blood)

Precautionary statement(s)

Wear eye/face protection. Wash hands and exposed skin after use.
Do not breathe mist/vapours/spray.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical attention.
IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

Other hazards

Toxic to aquatic life.
Harmful to aquatic life with long lasting effects.
Not classified as PBT or vPvB.

Additional Information

None.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredient(s)	%W/W	CAS No.	Hazard statement(s)
Coco diethanolamide	50 - 60	68603-42-9	Causes skin irritation. Causes serious eye damage. Toxic to aquatic life.
Diethanolamine	30 - 40	111-42-2	Harmful if swallowed. Causes skin irritation. Causes serious eye damage. May cause damage to organs through prolonged or repeated exposure. (Organs: Liver, Kidneys, Blood) Harmful to aquatic life with long lasting effects.

Additional Information - None

SECTION 4: FIRST AID MEASURES



Description of first aid measures

Inhalation	Remove to fresh air and keep at rest in a position comfortable for breathing. If breathing is laboured, administer oxygen. If breathing has stopped, apply artificial respiration.
Skin Contact	Wash affected skin with plenty of water. Continue to wash the affected area for at least 15 minutes. If irritation (redness, rash, blistering) develops, get medical attention.
Eye Contact	Immediately flush eyes for at least 15 minutes. Hold eye open and rinse slowly and gently with water. Continue rinsing. Get immediate medical attention.
Ingestion	Drink two glasses of water. Call a physician. If swallowed, and the victim is conscious and alert, induce vomiting immediately, as directed by medical personnel.

Most important symptoms and effects, both acute and delayed None

Indication of any immediate medical attention and special treatment needed None

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing media

-Suitable Extinguishing Media	Extinguish with waterspray, dry chemical, sand or carbon dioxide or foam.
-Unsuitable Extinguishing Media	None anticipated.

Special hazards arising from the substance or mixture None anticipated.

Advice for fire-fighters Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures Put on protective equipment before entering danger area. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe mist/vapours/spray.

Environmental precautions Do not allow to enter drains, sewers or watercourses.

Methods and material for containment and cleaning up

Contain spillages with sand, earth or any suitable adsorbent material. Transfer to a container for disposal or recovery. Wash the spillage area with water. If possible prevent water running into sewers.

Reference to other sections

None

Additional Information

None

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Do not get in eyes. Do not breathe mist/vapours/spray.

Conditions for safe storage, including any incompatibilities

-Storage Temperature

Store at room temperature. Prevent from freezing. This product should be stored at a temperature below: 48.8°C (120°F).

-Incompatible materials

Keep container tightly closed and dry.

Specific end use(s)

surfactant

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational exposure limits

SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)		STEL (ppm)		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
Diethanolamine	111-42-2	-----	1 mg/m3	-----	-----	IFV

IFV = Inhalable Fume and Vapor

Recommended monitoring method

None

Exposure controls

Appropriate engineering controls

Not normally required.

Personal protection equipment

Eye/face protection

Goggles giving complete protection to eyes.



Skin protection (Hand protection/ Other)

The following to be used as necessary:Gloves (Neoprene or Natural rubber).



Respiratory protection

No personal respiratory protective equipment normally required.



Thermal hazards

Not normally required.

Environmental Exposure Controls

Do not allow to enter drains, sewers or watercourses.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid
Colour	Amber.
Odour	Mild Amine.
Odour Threshold (ppm)	Not available.
pH (1% aqueous solution)	9.0 – 11.0
Melting Point (°C) / Freezing Point (°C)	Not available.
Boiling point/boiling range (°C):	Not available.
Flash Point (°C)	>93 (200 °F)
Evaporation rate (butyl acetate=1)	< 0.1
Flammability (solid, gas)	Not applicable.
Explosive limit ranges	Not available.
Vapour Pressure (Pascal)	133 (< 1 mmHg)
Vapour Density (Air=1)	3.6 (diethanolamine)
Density (g/ml)	0.999 (8.34 lb/gal)
Solubility (Water)	Soluble
Solubility (Other)	Not available.
Partition Coefficient (n-Octanol/water)	Not available.
Auto Ignition Temperature (°C)	Not available.
Decomposition Temperature (°C)	Not available.
Kinematic Viscosity (cSt) @ 40°C	Not available
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.
Other information	Not available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions.
Chemical stability	Stable.
Possibility of hazardous reactions	None anticipated.
Conditions to avoid	Incompatible materials.
Incompatible materials	Keep away from oxidizing agents and Acids. Corrosive to Copper and Copper alloys
Hazardous Decomposition Product(s)	Carbon monoxide, Carbon dioxide

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes: Inhalation, Skin Contact, Eye Contact

Substances in preparations / mixtures

Coco diethanolamide (CAS# 68603-42-9)

Acute toxicity	Oral: LD50 >5000 mg/kg (rat) Dermal: LD50 > 2000 ml/kg (rabbit) 24 hour(s)
Irritant	Serious eye damage/irritation; Causes skin irritation.
Sensitization	It is not a skin sensitizer.
Repeated dose toxicity	No data
Mutagenicity	Negative
Reproductive toxicity	No data
Carcinogenicity	Probably not carcinogenic to humans.

NTP	IARC	ACGIH	OSHA
Yes	2B	No.	No.

Other information NTP and IARC cancer classifications based on the presence of diethanolamine (see below)



NAXAMIDE® CD-231

Diethanolamine (CAS# 111-42-2)

Acute toxicity

Oral: LD50 = 1600 mg/kg (rat)

Dermal: No data

Irritant

Serious eye damage/irritation; Causes skin irritation.

Sensitization

It is not a skin sensitizer.

Repeated dose toxicity

LOAEL = 25 mg/kg-bw (rat), 13 week(s), oral, Blood disorders, Kidneys

Mutagenicity

Negative

Reproductive toxicity

Negative

Carcinogenicity

Probably not carcinogenic to humans.

NTP	IARC	ACGIH	OSHA
Yes	2B	No.	No.

Other information

None known.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity - Substances in preparations / mixtures

Coco diethanolamide (CAS# 68603-42-9)

Short term

LC50 (96 hour): 6.7 mg/l (*fish*)

EC50 (48 hour): 2.15 - 3.3 mg/l (*Daphnia magna*, mobility)

Long Term

No data

Persistence and degradability

Biodegradable (>70% in 28 days)

Bioaccumulative potential

Not available.

Mobility in soil

Not available.

Results of PBT and vPvB assessment

Not classified as PBT or vPvB.

Other adverse effects

None known.

Diethanolamine (CAS No. 111-42-2)

Short term

LC50 (96 hour): 1460 mg/l (*Pimephales promelas*)

EC50 (48 hour): 30.1 mg/l (*Ceriodaphnia dubia*, mobility)

Long Term

NOAEC (21-day): 0.78 mg/l (*Daphnia magna*, reproduction)

LOAEC (21-day): 1.56 mg/l (*Daphnia magna*, reproduction)

Persistence and degradability

Readily biodegradable

Bioaccumulative potential

Not available.

Mobility in soil

Not available.

Results of PBT and vPvB assessment

Not classified as PBT or vPvB.

Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

Additional Information

None known.

SECTION 14: TRANSPORT INFORMATION

	Land transport (U.S. DOT)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN number	3082	-----	-----
Proper Shipping Name	Environmentally hazardous substances, liquid, n.o.s., RQ (Diethanolamine)	Not classified as dangerous for transport.	Not classified as dangerous for transport.
Transport hazard class(es)	9		
Packing group	III		
Hazard label(s)	Marine pollutant		
Environmental hazards	yes		
Special precautions for user	None known.	None known.	None known.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not established.

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

TSCA (Toxic Substance Control Act) - Inventory Status: On active TSCA list

Canada Domestic Substance List (DSL) - Listed

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
Diethanolamine	111-42-2	28-34	100

SARA 311/312 - Hazard Categories:

Fire Sudden Release Reactivity Immediate (acute) Chronic (delayed)

SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
Diethanolamine	111-42-2	28-34

SARA 302 - Extremely Hazardous Substances(40 CFR 355):

Chemical Name	CAS No.	Typical %wt.
None	-----	----

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1

Date of preparation: December 14, 2023

Additional Information:



HMIS (Hazardous Material Information System)



NFPA (National Fire Protection Association)

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