

Section 1. Product and Company Identification

Product Name Cocamidopropyl Dimethylamine
CAS Number 68140-01-2

Parchem - fine & specialty chemicals
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EMERGENCY RESPONSE NUMBER
CHEMTEL
Toll Free US & Canada: 1 (800) 255-3924
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Collect Calls Accepted

Section 2. Hazards Identification

Classification of the substance or mixture

GHS-US classification

Acute Tox. 4 (Oral) H302
Skin Corr. 1B H314
Eye Dam. 1 H318
Aquatic Acute 1 H400

GHS Label Elements

Pictograms:



Signal word: DANGER

Hazard and precautionary statements

Hazard Statements (GHS-US)

H302 - Harmful if swallowed
H314 - Causes severe skin burns and eye damage
H318 - Causes serious eye damage
H400 - Very toxic to aquatic life

Precautionary Statements (GHS-US)

P280 - Wear In order to avoid inhalation of mist/vapor, all spraying must be done wearing adequate respirator, protective clothing, protective gloves, eye protection
P273 - Avoid release to the environment
P301+P312 - If swallowed: Call a POISON CENTER, a doctor if you feel unwell
P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin



with water/shower

P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing

P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P310 - Immediately call a POISON CENTER, a doctor

P391 - Collect spillage

P403+P235 - Store in a well-ventilated place. Keep cool

P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

Other hazards: No additional information available

Unknown acute toxicity (GHS US): No data available

Section 3. Composition / Information on Ingredients

Common Name Cocamidopropyl Dimethylamine

CAS Number 68140-01-2

COMPONENT	CAS NUMBER	CONCENTRATION
Cocamidopropyl Dimethylamine	68140-01-2	100%

Section 4. First Aid Measures

Description of first-aid measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation: Allow victim to breathe fresh air. Allow the victim to rest.

Skin contact: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. Specific treatment (see ... on this label).

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.

Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a POISON CENTER or doctor/physician if you feel unwell.

Most important symptoms and effects, both acute and delayed

Skin contact: Causes skin irritation.

Eye contact: Causes serious eye damage.

Ingestion: Swallowing a small quantity of this material will result in serious health hazard.

Indication of any immediate medical attention and special treatment needed: No additional information available

Section 5. Firefighting Measures

Extinguishing media

Suitable extinguishing media: Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media: Do not use a heavy water stream.

Special hazards arising from the substance or mixture: No additional information available

Advice for firefighters

Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Emergency procedures: Evacuate unnecessary personnel.

For emergency responders

Protective equipment: Equip cleanup crew with proper protection.

Emergency procedures: Ventilate area.

Environmental precautions: Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

Methods and material for containment and cleaning up: Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

Reference to other sections: See Heading 8. Exposure controls and personal protection.

Section 7. Handling and Storage

Precautions for safe handling

Hygiene measures: Do not eat, drink, or smoke when using this product. Wash hands, forearms and face thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage conditions: Keep only in the original container in a cool, well ventilated place away from heat sources. Keep container closed when not in use.

Incompatible products: Strong bases; Strong acids.

Incompatible materials: Sources of ignition; Direct sunlight.

Section 8. Exposure Controls / Personal Protection

Control parameters: No additional information available

Exposure controls

Personal protective equipment: Avoid all unnecessary exposure. Gloves. Insufficient ventilation: wear respiratory protection. Protective clothing. Protective goggles.

Hand protection: Wear protective gloves.

Eye protection: Chemical goggles or safety glasses.

Skin and body protection: Wear suitable protective clothing.

Respiratory protection: Wear appropriate mask.

Other information: Do not eat, drink or smoke during use.

Section 9. Physical and Chemical Properties

Physical State: Liquid

Appearance: Clear.

Color: Amber.

Odor: Amine-like.

Odor threshold: No data available

pH: 10

Relative evaporation rate (butyl acetate=1): No data available

Melting point: < 25°C

Freezing point: No data available

Boiling point: 100°C

Flash point: 100°C

Auto-ignition temperature: No data available

Decomposition temperature: No data available

Flammability (solid, gas): No data available

Vapor pressure: < 0.01

Relative vapor density (20°C): No data available

Relative density: 0.98 - 1.02

Specific gravity/density: 0.908284 g/cm³

Solubility: Soluble in water.

Log Pow: No data available

Log Kow: No data available

Viscosity, kinematic: No data available

Viscosity, dynamic: No data available

Explosive properties: No data available

Oxidizing properties: No data available

Explosion limits: No data available

Other information: No additional information available

Section 10. Stability and Reactivity

Reactivity: No additional information available

Chemical stability: Not established.

Possibility of hazardous reactions: Not established.

Conditions to avoid: Direct sunlight. Extremely high or low temperatures.

Incompatible materials: Strong acids. Strong bases.

Hazardous decomposition products: fume. Carbon monoxide. Carbon dioxide.

Section 11. Toxicological Information

Information on toxicological effects

Acute toxicity - Oral: Harmful if swallowed.

Cocamidopropyl Dimethylamine (68140-01-2)

ATE CLP (oral): 500.000 mg/kg body weight

Skin corrosion/irritation: Causes severe skin burns and eye damage. (pH: 10)

Serious eye damage/irritation: Causes serious eye damage. (pH: 10)

Respiratory or skin sensitization: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

Specific target organ toxicity (single exposure): Not classified

Specific target organ toxicity (repeated exposure): Not classified

Aspiration hazard: Not classified

Potential Adverse human health effects and symptoms: Harmful if swallowed.

Symptoms/injuries after skin contact: Causes skin irritation.

Symptoms/injuries after eye contact: Causes serious eye damage.

Symptoms/injuries after ingestion: Swallowing a small quantity of this material will result in serious health hazard.

Section 12. Ecological Information

Toxicity

Ecology - water: Very toxic to aquatic life.

Cocamidopropyl Dimethylamine (68140-01-2)

EC50 - Daphnia 1: 0.4 mg/l

Persistence and degradability: Not established.



Cocamidopropyl Dimethylamine (68140-01-2)

BOD: 65 % ThOD

Biodegradation: 80%

Bioaccumulative potential: Not established.

Mobility in soil: No additional information available

Other adverse effects

Other information: Avoid release to the environment.

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

Transport Document Description: UN3267 Corrosive Liquid, Basic, Organic, n.o.s. (Fatty acid Amide), 8, II

UN-No.(DOT): 3267

DOT NA no.: UN3267

Proper Shipping Name (DOT): Corrosive Liquid, Basic, Organic, n.o.s. (Fatty acid amide)

Class (DOT): 8 - Class 8 - Corrosive material 49 CFR 173.136

Hazard labels (DOT): 8 - Corrosive

DOT Symbols: G - Identifies PSN requiring a technical name

Packing group (DOT): II - Medium Danger

DOT Special Provisions (49 CFR 172.102): B2 - MC 300, MC 301, MC 302, MC 303, MC 305, and MC 306 and DOT 406 cargo tanks are not authorized

IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized T11 - 6 178.274(d)(2) Normal..... 178.275(d)(3)

TP2 - a. The maximum degree of filling must not exceed the degree of filling determined by the following: (image) Where: t_r is the maximum mean bulk temperature during transport, t_f is the temperature in degrees celsius of the liquid during filling, and a is the mean coefficient of cubical expansion of the liquid between the mean temperature of the liquid during filling (t_f) and the maximum mean bulk temperature during transportation (t_r) both in degrees celsius. b. For liquids transported under ambient conditions may be calculated using the formula: (image) Where: d_{15} and d_{50} are the densities (in units of mass per unit volume) of the liquid at 15 C (59 F) and 50 C (122 F), respectively

TP27 - A portable tank having a minimum test pressure of 4 bar (400 kPa) may be used provided the calculated test pressure is 4 bar or less based on the MAWP of the hazardous material, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP

DOT Packaging Exceptions (49 CFR 173.xxx): 154

DOT Packaging Non Bulk (49 CFR 173.xxx): 202



DOT Packaging Bulk (49 CFR 173.xxx): 242

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27): 1 L

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75): 30 L

DOT Vessel Stowage Location: B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded

DOT Vessel Stowage Other: 40 - Stow "clear of living quarters", 52 - Stow "separated from" acids

Additional information

Emergency Response Guide (ERG) Number: 153

Other information: No supplementary information available.

TDG

Transport document description: UN3267 Corrosive Liquid, Basic, Organic, N.O.S., 8, II

UN-No. (TDG): UN3267

TDG Proper Shipping Name: Corrosive Liquid, Basic, Organic, N.O.S.

TDG Primary Hazard Classes: 8 - Class 8 - Corrosives

Packing group: II - Medium Danger

TDG Special Provisions: 16 - (1) The technical name of at least one of the most dangerous substances that predominantly contributes to the hazard or hazards posed by the dangerous goods must be shown, in parentheses, on the shipping document following the shipping name in accordance with clause 3.5(1)(c)(ii)(A) of Part 3 (Documentation). The technical name must also be shown, in parentheses, on a small means of containment or on a tag following the shipping name in accordance with subsections 4.11(2) and (3) of Part 4 (Dangerous Goods Safety Marks). (2) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a shipping document or on a small means of containment when Canadian law for domestic transport or an international convention for international transport prohibits the disclosure of the technical name: (a)UN1544, ALKALOID SALTS, SOLID, N.O.S. or ALKALOIDS, SOLID, N.O.S.; (b)UN1851, MEDICINE, LIQUID, TOXIC, N.O.S.; (c)UN3140, ALKALOID SALTS, LIQUID, N.O.S. or ALKALOIDS, LIQUID, N.O.S.; (d)UN3248, MEDICINE, LIQUID, FLAMMABLE, TOXIC, N.O.S.; or (e)UN3249, MEDICINE, SOLID, TOXIC, N.O.S. An example in Canada is the "Food and Drugs Act". (3) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a small means of containment: (a)UN2814, INFECTIOUS SUBSTANCE, AFFECTING HUMANS; or (b)UN2900, INFECTIOUS SUBSTANCE, AFFECTING ANIMALS. SOR/2014-306

Explosive Limit and Limited Quantity Index: 1 L

Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index: 1 L

ADR

Transport document description: UN 3267 Corrosive Liquid, Basic, Organic, N.O.S., 8, III, (E)

Packing group (ADR): III

Class (ADR): 8 - Corrosive substances

Hazard identification number (Kemler No.): 80



Classification code (ADR): C7
Hazard labels (ADR): 8 - Corrosive substances
Tunnel restriction code (ADR): E
LQ: 5l
Excepted quantities (ADR): E1

Transport by sea

UN-No. (IMDG): 3267
Proper Shipping Name (IMDG): Corrosive Liquid, Basic, Organic, N.O.S.
Class (IMDG): 8 - Corrosive substances
Packing group (IMDG): II - substances presenting medium danger

Air transport

UN-No. (IATA): 3267
Proper Shipping Name (IATA): Corrosive liquid, basic, organic, n.o.s.
Class (IATA): 8 - Corrosives
Packing group (IATA): II - Medium Danger

Section 15. Regulatory Information

US Federal Regulations: Listed on the United States TSCA (Toxic Substances Control Act) inventory

US State Regulations

US - California - Proposition 65 - Carcinogens List: No
US - California - Proposition 65 - Developmental Toxicity: No
US - California - Proposition 65 - Reproductive Toxicity - Female: No
US - California - Proposition 65 - Reproductive Toxicity - Male: No
Non-significant risk level (NSRL)

Canada

Listed on the Canadian DSL (Domestic Substances List)
WHMIS Classification: Class D Division 2 Subdivision B - Toxic material causing other toxic effects

Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

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