

SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Name of the product: Cocodiethanolamide

- CAS Number : 68603-42-9
- EC Number : 931-329-6 (EINECS Number: 271-657-0)
- INCI Name : Cocamide DEA
- IUPAC Name : Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl)
- REACH Registration number: 01-2119490100-53-0033

1.2 Recommend use of the chemical and restrictions on use

Application of the substance / the mixture: Surfactant for various applications

1.3 Details of the supplier of the safety data sheet:

1.4 Emergency telephone number:

SECTION 2: Hazard identification

2.1 Classification of the hazardous chemical

- Skin corrosion or irritation : Category 2
- Serious eye damage or eye irritation : Category 1
- Aquatic environment (chronic) : Category 3

2.2 Labels elements

Hazard pictogram:



Signal word: Danger

Hazard statement:

- H315 Causes skin irritation
- H318 Causes serious eye damage
- H412 Harmful to aquatic life with long lasting effects

Precautionary statement:

Prevention:

- P264 Wash hands thoroughly after handling.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.

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Response:

- P310 Immediately call a POISON CENTER or doctor / physician.
P321 Reference to supplemental first aid instruction. Get medical advice/ attention.
P362 Take off contaminated clothing and wash before reuse.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.)

Storage:

Store in accordance with all local and national regulations.

Disposal:

P501 Dispose of contents / container in accordance with local / national regulations.

Other hazards which do not result in classification

No information available.

SECTION 3: Composition / information on ingredients

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SECTION 4: First aid measures

4.1 Description of first aid measures

General advice : Consult a physician. Show this safety data sheet to the doctor in attendance. First aider needs to protect himself / herself. Place the affected clothing in a sealed bag for subsequent decontamination.

If inhaled : Remove from exposure site to fresh air. Keep at rest. Obtain medical attention. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

In case of skin contact: If on skin, rinse well with water. If on clothes, remove contaminated clothes. Wash thoroughly with soap & water, flush with plenty of water. If skin irritation persists, call a physician.

In case of eye contact: Small amounts splashed into eyes can cause irreversible tissue damage and blindness. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Continue rinsing eyes during transport to hospital. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.

If swallowed : Keep respiratory tract clear. Do NOT induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.

4.2 Most important symptoms and effects, both acute and delayed:

No further relevant information available.

Information for doctor: Treat symptomatically

4.3 Indication of any immediate medical attention and special treatment needed:

No further relevant information available.

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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : High volume water jet.

5.2 Physicochemical hazards arising from the chemical

Specific hazards during firefighting: Do not allow run-off from firefighting to enter drains or water courses.

Hazardous combustion products : No data is available on the product itself.

5.3 Special protective equipment and precautions for fire-fighters

Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.

Specific extinguishing methods : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective: Avoid inhalation & direct contact with skin & eyes. Use personal protective equipment (safety glasses, waterproof-boots, suitable protective clothing) and emergency procedures in case of major spillages.

6.2 Environmental precautions : Prevent product from entering drains, soils, surface & ground waters.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust), sweep up and remove to an approved disposal container. Send for recovery or disposal in suitable receptacles.
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections : See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Handling

Precautions for safe handling.

Advice on protection against fire and explosion:

Normal measures for preventive fire protection.

Advice on safe handling:

Do not breathe vapours/dust.

Avoid contact with skin and eyes.

For personal protection see section 8.

Smoking, eating and drinking should be prohibited in the application area.

To avoid spills during handling keep bottle on a metal tray.

Dispose of rinse water in accordance with local and national regulations.

7.2 Storage

Conditions for safe storage, including any incompatibilities.

Conditions for safe storage:

Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Product may solidify at low temperature.

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Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Electrical installations / working materials must comply with the technological safety standards.

Materials to avoid:
Keep away from oxidizing agents.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure control

Individual protection measures, such as personal protective equipment

Eye/face protection: Eye wash bottle with pure water

Tightly fitting safety goggles.

Wear face-shield and protective suit for abnormal processing problems.

Skin protection : Impervious clothing

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hand protection : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Hygiene measures : When using do not eat or drink.

When using do not smoke.

Wash hands before breaks and at the end of workday.

SECTION 9: Physical and chemical properties

Physical appearance	: Liquid
Form	: Viscous
Colour	: Pale yellow
Odour	: Characteristic odour (mild amine odour)
pH	: 9 -11
Slip Melting point	: < 15 °C
Boiling point	: No data available
Flash point	: > 100 °C
Evaporation rate	: No data available
Flammability (solid, gas)	: No data is available on the product itself.
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: No data available
Relative vapour density	: No data available
Relative density	: No data available
Density	: No data available
Water solubility	: Dispersible
Solubility in other solvents	: No data is available
Auto ignition temperature	: No data is available on the product itself.
Thermal decomposition	: No data is available on the product itself.
Viscosity, dynamic	: No data is available
Specific gravity	: 0.9800 – 1.0000

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SECTION 10: Stability and reactivity

Reactivity	: Stable under recommended storage conditions.
Chemical stability	: The product is chemically stable.
Possibility of hazardous reactions	: No dangerous reaction known under conditions of normal use. No decomposition if stored and applied as directed.
Conditions to avoid	: Heat, flames and sparks.
Incompatible materials	: No data available
Hazardous decomposition products:	Carbon dioxide (CO ₂) Carbon monoxide

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity	: No data available
Acute dermal toxicity	: No data available
Acute inhalation toxicity	: No data available
Skin corrosion / irritation	: Causes skin irritation.
Serious eye damage or eye irritation	: Causes serious eye damage.
Respiratory sensitization	: No data available
Skin sensitization	: No data available
Germ cell mutagenicity	: No data available
Carcinogenicity	: No data available
Reproductive toxicity	: No data available
Specific target organ toxicity - single exposure	: No data available
Specific target organ toxicity - repeated exposure	: No data available

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity	: Harmful to aquatic life with long lasting effects. NOEC, Fish: 0.32 mg/L.
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12.2 Persistence and degradability	: Easily biodegradable; Test Method: OECD 301D; Result: Reaches 60% pass level after 4 days.
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12.3 Bioaccumulative potential	: No data available
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12.4 Mobility in soil	: No data available
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12.5 Results of PBT and vPvB assessment	: No data available
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12.6 Other adverse effects	: No data available
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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation Dispose of as hazardous waste in compliance with local and national regulations.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

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SECTION 14: Transport information

14.1 UN-Number ADR, ADN, IMDG, IATA	: Not applicable
14.2 UN proper shipping name ADR, ADN, IMDG, IATA	: Not applicable
14.3 Transport hazard class(es) ADR, ADN, IATA Class	: Not applicable
14.4 Packing group ADR, IMDG, IATA	: -
14.5 Environmental hazards: Marine pollutant	: No
14.6 Special precautions for user:	Not applicable.
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	: Not applicable.
UN "Model Regulation"	: -
14.8 HS Code	: 3402 13 9000

SECTION 15: Regulatory information

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

Hazard pictograms	: Please refer Section 2
Hazard statements	: Please refer Section 2
Precautionary statements	: Please refer Section 2
National regulations	: -
Other regulations, limitations and prohibitive regulations:	-

15.2 Chemical safety assessment: Not available

SECTION 16: Other information

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. This shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Hazards, toxicity and behaviour of the products may differ when used with other materials and are dependent upon the manufacturing conditions or other processes. Such hazards, toxicity and behaviour should be determined by the user and made known to handlers, processors and end users.