



SAFETY DATA SHEET
COCAMIDOPROPYL BETAINE

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Compilation date: 14/05/2015

Revision No: 1

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

1.1. Product identifier

Product name: COCAMIDOPROPYL BETAINE

CAS number: 61789-40-0

EINECS number: 263-058-8

Product code: GPC5568

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

Use of substance / mixture: Manufacture of substances. Laboratory chemicals. Amphoteric surfactant.

1.3. Details of the supplier of the safety data sheet

Company name: Atom Scientific Ltd
Unit 2B East Tame Business Park
Rexcine Way
Hyde
Cheshire
SK14 4GX
United Kingdom

Tel: +44 161 366 5123

Fax: +44 170 433 7167

Email: technical@atomscientific.com

1.4. Emergency telephone number

Emergency tel: +44 161 366 5123
(office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Eye Dam. 1: H318; Aquatic Chronic 3: H412

Most important adverse effects: Causes serious eye damage. Harmful to aquatic life with long lasting effects.

2.2. Label elements

Label elements under CLP:

Hazard statements: H318: Causes serious eye damage.

H412: Harmful to aquatic life with long lasting effects.

Signal words: Danger

Hazard pictograms: GHS05: Corrosion



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Precautionary statements: P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P305+351+338: 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 or doctor.

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.1. Substances

Chemical identity: COCAMIDOPROPYL BETAINE

CAS number: 61789-40-0

EINECS number: 263-058-8

Section 4: First aid measures

4.1. Description of first aid measures

- Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. Consult a doctor.
- Eye contact:** Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention immediately. Continue to rinse.
- Ingestion:** Do not induce vomiting. Never give anything by mouth to an unconscious person. Provide warmth, rest and fresh air. Rinse mouth with water. Give 1 cup of water to drink every 10 minutes. If vomiting occurs, keep head low so that stomach content doesn't get into lungs.
- Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If breathed in, move person into fresh air. If not breathing, give artificial respiration. If inhaled and feeling unwell, move patient to clean air zone and seek medical attention. Keep the affected person warm and at rest. Consult a doctor.

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

- Skin contact:** There may be irritation and redness at the site of contact.
- Eye contact:** There may be irritation and pain. The eyes may water profusely. May cause permanent damage.
- Ingestion:** There may be soreness and redness of the mouth and throat. May cause irritation of the digestive tract. There may be vomiting.
- Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

Delayed / immediate effects: No data available.

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

Immediate / special treatment: Show this safety data sheet to the doctor in attendance. Eye bathing equipment should be available on the premises.

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Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Water spray. Dry chemical powder. Alcohol resistant foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes of carbon dioxide / carbon monoxide. In combustion emits toxic fumes of nitrogen oxides. Containers can burst violently when heated, due to excess pressure build up.

5.3. Advice for fire-fighters

Advice for fire-fighters: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. Wear protective clothing to prevent contact with skin and eyes. Use water spray to cool unopened containers.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Use personal protective equipment. Evacuate personnel to safe areas. Ensure adequate ventilation. Avoid breathing vapours, mist or gas.

6.2. Environmental precautions

Environmental precautions: Prevent further leakage or spillage if safe to do so. Discharge into environment must be avoided. Do not let product enter drains.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local/national regulations (see section 13).

6.4. Reference to other sections

Reference to other sections: For personal protection, see section 8. For waste disposal, see section 13.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Container must be kept tightly closed. Wash thoroughly after handling. Do not eat, drink or smoke while using this product. Remove contaminated clothing and protective equipment before entering eating areas.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store between 5 - 40C. Store in accordance with local regulations. Keep only in the

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original container in a cool, well ventilated area. Store locked up. Protect from light, including direct sunrays. Store in correctly banded mild steel tanks, or plastic drums/IBC's. Solution will solidify at low temperatures; heated storage may be needed.

7.3. Specific end use(s)

Specific end use(s): No other specific uses stipulated other than the uses mentioned in section 1.2.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

8.1. DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Handle in accordance with good industrial hygiene and safety practise. Wash hands before breaks and at the end of the workday. Avoid contact with skin, eyes and clothing.

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection: Chemical resistant, impervious gloves. Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with application laws and good laboratory practises. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Eye protection: Use equipment for eye protection tested and approved under appropriate government standards.

Skin protection: The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Promptly remove any clothing that becomes contaminated. Have eye wash bottle or eye rinse ready at work place.

Environmental: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fums scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce the emissions to acceptable levels.

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Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Pale yellow

Odour: Mild

Solubility in water: Soluble

Viscosity: 30 cPs at 25C

Boiling point/range °C: 100

Melting point/range °C: ~ 0

Flash point °C: > 100

Relative density: 1.05

pH: 4.5 - 5.5

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

10.4. Conditions to avoid

Conditions to avoid: Extremes of temperature and direct sunlight.

10.5. Incompatible materials

Materials to avoid: No data available.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes. In the event of fire: see section 5

Section 11: Toxicological information

11.1. Information on toxicological effects

Relevant hazards for substance:

Hazard	Route	Basis
Serious eye damage/irritation	OPT	Based on test data

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and pain. The eyes may water profusely. May cause permanent damage.

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Ingestion: There may be soreness and redness of the mouth and throat. May cause irritation of the digestive tract. There may be vomiting.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Delayed / immediate effects: No data available.

Other information: Not applicable.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values:

Species	Test	Value	Units
FISH	96H LC50	1 - 10	mg/l

12.2. Persistence and degradability

Persistence and degradability: This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of the detergent manufacturer.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Soluble in water.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Harmful to aquatic organisms.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company. Offer surplus and non-recyclable solutions to a licensed disposal company. Do not allow runoff to sewer, waterway or ground. Uncleaned empty packages should be disposed of in the same manner as the contents.

Disposal of packaging: Dispose of as normal industrial waste.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

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Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

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

Specific regulations: This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and 3: H318: Causes serious eye damage.

H412: Harmful to aquatic life with long lasting effects.

Legal 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. This company shall not be held liable for any damage resulting from handling or from contact with the above product.