

**Material Safety Data Sheet**

According to Regulation (EC) 1272/2008

**1. Identification of the substance/mixture and of the company/undertaking****Product identifier****Trade Name:** COCAMIDOPROPYL BETAINE 30%**INCI Name:** COCAMIDOPROPYL BETAINE**CAS Number:** 61789-40-0**EC Number:** 263-058-8**Use of the substance/preparation**

Ingredient in Personal and Home Care products

**Details of the supplier of the safety data sheet**

GREENCHEM INTERNATIONAL LIMITED

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**Emergency Telephone Number:** +86-15070667793**2. Hazards Identification**

<b>Classification of the substance or mixture</b>	<b>SCL and/or M-factor</b>	<b>Classification procedure</b>
Acute Tox. 5, H303	Not available	On basis of test data
Acute Tox. 3, H312	C ≥ 15%	On basis of test data
Serious Eye Damage. 2B, H320	C ≥ 4.5 %	On basis of test data
Aquatic Acute 2, H401	Not available	On basis of test data
Aquatic Chronic 3, H412	Not available	On basis of test data

**OSHA defined hazards** Not classified.**Label elements**

Hazard label for supply/use required.



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<b>Signal word:</b>	Warning
<b>Hazard statements</b>	H303: Harmful if swallowed. H312: Harmful in contact with skin. H320: Causes eye irritation. H412: Harmful to aquatic life with long lasting effects.
<b>Precautionary statements</b>	P260: Do not breathe mist or vapor. P264: Wash thoroughly after handling. P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection. P302+P350: If on skin: Wash with plenty of water. P305+P351+P338: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313: If exposed or concerned: Get medical advice/attention. P362+P364: Take off contaminated clothing and wash before reuse.
<b>Response</b>	H303: Harmful if swallowed. H311: Causes skin poisoning. H320: Causes eye irritation. H412: Harmful to aquatic life with long lasting effects.
<b>Storage</b>	Stored in a cool ventilated dry place
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Hazard(s) not otherwise classified (HNOC)</b>	None known.
<b>Supplemental information</b>	None.
<b>Other hazards</b>	No risks worthy of mention.

### 3. Composition/ Information on Ingredients

#### Mixtures

Name	CAS-No.	EC No.	Percent [%]	Classification according Regulation (EC) No. 1272 [CLP]
Cocamido Propyl Betaine	61789-40-0	263-058-8	29~31	Acute Tox. 5, H303
				Acute Tox. 3, H312
Sodium chloride	7647-14-5	231-598-3	≤6	Serious Eye Damage. 2B, H320
				Aquatic Acute 2, H401
Water	7732-18-5	231-791-2	≤64	Aquatic Chronic 3, H412
				Acute Tox. 5, H303
				Not available

### 4. First Aid Measures

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<b>General information:</b>	Take off immediately all contaminated clothing.
<b>In case of inhalation</b>	Move victim to fresh air. Consult physician.
<b>After skin contact:</b>	Immediately flush with plenty of water. Remove contaminated clothing and wash clothing separately before reuse. If irritation persists get medical attention.
<b>After eye contact:</b>	Immediately flush eyes with running water for at least 15 minutes. Get medical attention.
<b>After swallowing</b>	If the material is swallowed, get immediate medical attention or advice-- Do not induce vomiting

### 5. Firefighting Measures

<b>Extinguishing media</b>	
<b>Suitable extinguishing media:</b>	Water fog. Foam. Dry chemical powder. CO <sub>2</sub> .
<b>Extinguishing media which must not be used for safety reasons:</b>	High power water jet
<b>Special hazards arising from the substance or mixture</b>	In case of fire may be liberated: sulphur dioxide, carbon monoxide and carbon dioxide.
<b>Advice for firefighters</b>	Special protective equipment for firefighters: Wear self-contained breathing apparatus.

### 6. Accidental Release Measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Provide adequate ventilation. Wear protective equipment.
<b>Environmental precaution</b>	Do not allow to penetrate into soil, water bodies or drains.
<b>Methods for containment</b>	Prevent entry into waterways, sewers, basements or confined areas. Wear appropriate protective equipment and clothing during clean-up. Eliminate ignition sources including sources including sources of electrical, static or frictional sparks.
<b>Methods for cleaning up</b>	Small Spills: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Large Spills: Dike far ahead of liquid spill for later disposal.
<b>Reference to other sections</b>	Refer additionally to chapter 8 and 13.

### 7. Handling and Storage

<b>Precautions for safe handling</b>	Advices on safe handling: Open and handle container with care. Precautions against fire and explosion: Take care of general rules for
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<b>Conditions for safe storage, including any incompatibilities</b>	industrial preventive fire protection.
	Requirements for storeroom and containers:
	Protect from frost. In case the product becomes cloudy, thicker or frozen by cooling, defrost it at room temperature and stir it.
	Hints on joint storage: No information is available.

### 8. Exposure Controls/ Personal Protection

<b>Engineering controls</b>	Use general ventilation. Local exhaust is suggested for use, where possible, in enclosed or confined spaces.
<b>Personal protection</b>	
<b>General</b>	Eye wash fountain and emergency shower are recommended
<b>Eye/face protection</b>	Wear chemical goggles. Face-shield.
<b>Skin protection</b>	Wear suitable protective clothing. Use impervious gloves.
<b>Respiratory protection</b>	If ventilation is not sufficient to effectively prevent buildup of aerosols or vapors, appropriate respiratory protection must be provided.

### 9. Physical & Chemical Properties

<b>Appearance</b>	White or faint yellow Liquid
<b>Molecular Formula</b>	C <sub>19</sub> H <sub>38</sub> N <sub>2</sub> O <sub>3</sub>
<b>Molecular Weight</b>	Ca.360
<b>pH(25°C)</b>	4.0~6.0 @5% Aqueous Solution
<b>Freezing point</b>	-8 °C
<b>Relative density</b>	1.043 g/ml (water=1g/ml)
<b>Boiling point</b>	>260 °C
<b>Flash point</b>	>160 °C
<b>Vapor density</b>	Not available
<b>Pour point</b>	-5 °C
<b>Viscosity</b>	16cps@25 °C
<b>Solubility</b>	Easily soluble in water @ 25 °C
<b>Main application</b>	Used in shampoo, detergent, soap etc.

### 10. Stability & Reactivity

<b>Chemical stability</b>	Stable at normal conditions
<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Incompatible materials</b>	Strong acids and oxidizing agents. Peroxides. Phenols.
<b>Conditions to avoid</b>	Avoid temperatures exceeding the flash point. Contact with incompatible materials.
<b>Possibility of</b>	Will not occur

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### Polymerization

**Decomposition products** No hazardous decomposition products are known.

## 11. Toxicological Information

<b>Acute Oral</b>	Acute oral toxicity (LD50): 4910mg/kg [Rat.]
<b>Sub-acute and Chronic Toxicity</b>	Not list as toxicity according to the test of rat.
<b>Irritation</b>	Moderately irritating to eyes, slight or no irritation to skin.
<b>Carcinogenicity</b>	Not considered to be a carcinogen according the animal tests.
<b>Teratogenicity</b>	Not available
<b>Mutagenicity</b>	Testing has shown this product to be non-mutagenic when make the rats expose in 100mg/ml products for 24h.

## 12. Ecological Information

<b>Eco-toxicity:</b>	Harmful to aquatic, may cause long-term adverse effect in the aquatic environment. Algae toxicity: EC50 Desmodesmus subspicatus (green algae): <10mg/L/72h (OECD 201). Daphnia toxicity: EC50 Daphnia magna (daphnia): <10mg/L/48h (OECD 202). Fish toxicity: LC50 Brachydanio rerio (zebra-fish): <10mg/L/96h (OECD 203).
<b>Persistence/ Degradability:</b>	This product is readily biodegradable.
<b>Mobility:</b>	The product will dissolve in water.

## 13. Disposal Considerations

<b>Disposal instructions</b>	All wastes must be handled in accordance with local and national regulations. Burning method was suggested. Sulfur oxides from incinerators were removed by scrubber. Avoid contact with eyes and skin. Do not mix with other wastes.
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## 14. Transport Information

According to ADN/ADR/RID/IMDG/IATA not classified as dangerous goods.

This classification is in principle not valid for carriage by tank vessel on inland waterways. Please refer to the manufacturer for further information.

<b>UN number</b>	Not applicable		
<b>UN proper shipping name</b>	ADR/RID, IMDG, IATA:	Not restricted	

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<b>Transport hazard class(es)</b>	Not available
<b>Packing group</b>	Not available
<b>Environment hazards</b>	No marine pollutant
<b>Special precautions for user</b>	See sections 6 to 8 of this Safety Data Sheet.
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC-Code</b>	No transport as bulk according IBC-Code

### 15. Regulatory Information

<b>Environmental Protection Law of The People's Republic of China</b>	
<b>Regulations on the Safety Administration of Dangerous Chemicals</b>	The State Council issued, Jan.26,2002
<b>Implementing Regulations on Safety Management of Hazardous Chemicals</b>	NO.677, Department of Labor and Chemical Industry issued, 1992
<b>Workplace Provision on Safety Use of Chemicals</b>	NO.423, Department of Labor issued, 1996
<b>Classification and Labels of Dangerous Chemical Substances Commonly used</b>	GB 13690-2009
<b>Rule for Storage of Chemical Dangers</b>	GB15603-1995
<b>Packing Symbol of Dangerous Goods</b>	GB 190-2009
<b>General Specifications for Transport Packages of Dangerous Goods</b>	GB 12463-2009

### 16. Other Information

<b>Guidance Department</b>	R&D department
<b>Created</b>	06-30-2010
<b>Last Updated</b>	11-30-2022