


Material Safety Data Sheet		
Cocamidopropyl Betaine		
Version:2.0	Revision date: May 1, 2021	
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1. Chemical Product and Company Identification

INCI name: Cocamidopropyl Betaine

CAS No.: 61789-40-0

Chemical structure: $\text{RCONH}(\text{CH}_2)_3\text{N}^+(\text{CH}_3)_2\text{CH}_2\text{COO}^-$

Trade name: Yeser[®] CAB-45

Product application: Commonly used in detergents, personal care products, and cosmetics

Supplier name: GUANGZHOU YESER CHEMICALS CO., LTD

Supplier address: Room 903-05, Building E, Longxi Center, No.18 Qide Road, Guangzhou City, China

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2. Hazards Identification

GHS hazard classification:

Physical	No classification	
Health	Serious eye damage/eye irritation: Category 2A	H319: Causes serious eye irritation.
Environment	Acute aquatic toxicity: Category 2	H401: Toxic to aquatic life.

GHS Label elements

Hazardous components	Cocamidopropyl Betaine				
Pictogram					
Signal word	Warning				
Hazard statement	H319: Causes serious eye irritation. H401: Toxic to aquatic life.				
Precautionary statement	Prevention: P264: Wash your skin thoroughly after handling. P270: Do not eat, drink or smoke when using this product. P273: Avoid release into the ring mirror. P280: Wear protective gloves/protective clothing/eye protection. (refer to Section 8 of this Material Safety Data Sheet). Response:				

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	<p>P305+P351+P338: If in eyes: Rinse cautiously with water for several minutes. If you wear contact lenses and can easily remove them, take out the contact lenses. Continue to rinse.</p> <p>P337+P313: If eye irritation persists: Get medical attention.</p> <p>Storage: None</p> <p>Disposal: P501: Disposal of contents/container to an approved waste disposal plant.</p>
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3. Composition/Information on Ingredients

Component	CAS NO.	Percentage %
Water	7732-18-5	51.0~57.0
Cocamidopropyl Betaine	61789-40-0	38.0~42.0
Sodium chloride	7647-14-5	5.0~7.0

4. First aid Measures

First aid Measures for accidental:

Inhalation: Not applicable.

Ingestion: Rinse mouth out with water. NEVER attempt to induce vomiting.

Skin contact: Remove all contaminated clothing and footwear. Wash with water.

Eye contact: Immediately rinse with plenty of running water for a prolonged period, (at least 15 minutes), whilst keeping the eyes wide open. If irritation persists, consult a doctor. Show this sheet to the doctor.

Ingestion: Do not induce vomiting without medical advice. Drink water as a preventive measure. Seek medical attention if symptoms persist.

5. Fire-fighting Measures


Extinguishing media: Suitable - Water spray, foam, multi-purpose powders or Carbon Dioxide.
Unsuitable - High volume water jet.

Specific hazards:

On heating or during combustion: On heating there is a risk of a build-up of pressure in hermetically sealed containers or tanks.

Specific protective equipment for fire-fighters: Do not use a water jet since it may cause the fire to spread. Cool down the containers / equipment exposed to heat with a water spray.

Wear self-contained breathing apparatus for fire fighting if necessary.

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

6. Accidental Release Measures

Personal precautions: Avoid contact with eyes, skin and respiratory system. Do not breathe vapours. Wear appropriate gloves, safety glasses, suitable protective clothing and respiratory protective device. Turn leaking containers leak-side up to prevent the escape of liquid.

Environmental precautions: Collect the spilled material by bunding. Do NOT discharge into drains. Prevent the product from spreading into the environment.

Methods for Cleaning up:

Recovery: Absorb the product onto porous material. Sweep up or vacuum up the product. Collect up the spilled product and place it in a suitably labeled spare container. Keep the recovered product for subsequent disposal. Use flame-proof equipment.

Cleaning / Decontamination: Wash spillage area with large amounts of water. Recover the cleaning water for subsequent disposal.

Disposal: Dispose of materials or solid residues at an authorized site.

Further information: Warning! This product may cause the floor to be slippery.

7. Handling and storage

Handling:

Technical measures: Does not require any specific or particular technical measures.

Storage: Store in tightly closed containers. Store in a cool, dry, well-ventilated area. Do not store with strong bases, strong oxidising agents and strong reducing agents.

Packaging: Plastic drums. Product must only be kept in the original packaging.

8. Exposure controls/personal protection

Engineering measures: No special measures are required when operating in accordance with good industrial and safety regulations.

Control parameter: This product does not contain substances with occupational exposure limits.

Hand protection: Protective gloves must be chosen according to the function of the work station


Eye protection: Goggles.

Skin and body protection: Protective clothing.

Others: Emergency equipment and first-aid box with instructions should be readily available. Safety shower and eye fountain as collective emergency equipment.

Work habit control: Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material:

1. Do not store, use, and / or consume foods, beverages, tobacco products, or cosmetics in areas

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where this material is stored.

2. Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
3. Wash exposed skin promptly to remove accidental splashes of contact with the material.

9. Physical and chemical properties

Appearance	Colorless to pale yellow transparent liquid
Odour	Characteristic odor
Odour threshold	No data available
pH value	5.0~7.0
Melting point / freezing point	<0°C
Starting point and range	>100°C
Flash point	No data available
Evaporation rate	No data available
Flammability limit	No data available
Explosive limit	No data available
Vapor Pressure	No data available
Water soluble	Dissolved in water
Vapor density	No data available
Specific gravity	No data available
Octanol/water	Not applicable
Automatic ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive characteristics	No data available

10. Stability and reactivity

Stability: Stable at ambient temperature and under normal conditions of use.


Incompatible materials: A substance or product that reacts with water. Strong base, strong oxidizing agent and strong reducing agent.

Conditions to avoid: Heat, flame or sparks.

Hazardous decomposition products: On thermal decomposition (pyrolysis) releases: Oxides of Carbon and oxides of Nitrogen.

11. Toxicological information

Acute toxicity: No data available

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Sensitization: No data available

Repeated medication toxicity: No data available

Carcinogenicit: No data available

Reproductive toxicity: No data available

12. Ecological information

Ecotoxicity: Harm to the aquatic environment-Chronic danger: Hazard category 2-Toxic to aquatic life.

Toxicity to daphnia and other aquatic invertebrates: No data available

Toxicity to fish: No data available

Toxicity to algae: No data available

Biodegradability: biodegradable

Bioaccumulation: No bioaccumulation trend is expected.

13. Disposal considerations

Rresidues from product: Prohibition = Discharging waste into rivers and drains is forbidden.

Destruction / Disposal = Dispose of in accordance with relevant local regulations.

Contaminated packaging material:

Prohibition = Following use do NOT pierce or burn the packaging. Do not dispose of the product at a rubbish tip.

Decontamination / Cleaning = Completely empty the packaging prior to decontamination. Degas followed by aeration. Carefully drain and then steam clean. Do not enter tanks or containers before they have been cleaned and de-gassed.

Destruction / Disposal = Recycle following cleaning or dispose of at an authorised site.

Note: The user's attention is drawn to the possible existence of local regulations regarding disposal.

14. Transport information

Ground transportation: Not classified as dangerous good under transport regulations.

Shipping IMDG: Not classified as dangerous good under transport regulations.


Air transport IATA DGR: Not classified as dangerous good under transport regulations.

15. Regulatory Information

Risk classification: China regulations on flammable substances: is not subjected to the regulations on flammable substances.

Water Hazard Class: No data is available on this product.

16. Other Information

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The full text of the H-statements mentioned in sections 2 .

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H401 Toxic to aquatic life.

The full text of the P-statements mentioned in sections 2.

P264 Wash skin thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection.

P305 + P351 + P338 If in eyes: Rinse cautiously with water for several minutes. If you wear contact lenses and can easily remove them, take out the contact lenses. Continue to rinse.

P337 + P313 If eye irritation persists: Get medical attention.

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

Writing and revising information

Date originally compiled: June 19, 2017

Date of last revision: May 1, 2021

IMPORTANT: while the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding products described or designs, data or information set forth, or that the products, designs, data or information may be used without infringing the intellectual property rights of others. In no case shall the descriptions, information, data or designs provided be considered a part of our terms and conditions of sale. Further, you expressly understand and agree that the descriptions, designs, data, and information furnished by our company hereunder are given gratis and we assume no obligation or liability for the description, designs, data and information given or results obtained, all such being given and accepted at your risk.

END OF DATA SHEET