

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

### 1.1. Product Identifier

**Product Form:** Mixture

**Product Name:** Cocoamidopropyl Betaine

**CAS No:** 61789-40-0

**Synonyms:** CAPB

### 1.2. Intended Use of the Product

**Use of the substance/mixture:** Personal Care products

### 1.3. Name, Address, and Telephone of the Responsible Party

**Henan Aslan Chemical Co., Ltd**

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jinshui district zhengzhou, China

Tel: +86 371 61739577 Fax: +86 371 61739578

Email: info@aslanchemical.com

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the Substance or Mixture

#### GHS-US classification

Skin Irrit. 2 H315

Eye Irrit. 2A H319

Aquatic Acute 1 H400

Full text of hazard classes and H-statements : see section 16

### 2.2. Label Elements

#### GHS-US Labeling

##### Hazard Pictograms (GHS-US)



##### Signal Word (GHS-US)

: Warning

##### Hazard Statements (GHS-US)

: H315 - Causes skin irritation  
H319 - Causes serious eye irritation  
H400 - Very toxic to aquatic life

##### Precautionary Statements (GHS-US)

: P264 - Wash exposed areas. thoroughly after handling.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves, protective clothing, and eye protection.  
P302+P352 - 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.  
P321 - Specific treatment (see section 4 on this SDS).  
P332+P313 - If skin irritation occurs: Get medical advice/attention.  
P337+P313 - If eye irritation persists: Get medical advice/attention.  
P362+P364 - Take off contaminated clothing and wash it before reuse.  
P391 - Collect spillage.  
P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

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## 2.3. Other Hazards

**Other Hazards Not Contributing to the Classification:** Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

## 2.4. Unknown Acute Toxicity (GHS-US)

No data available

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substance

Not applicable

### 3.2. Mixture

Name	Product Identifier	%	GHS-US classification
Water	(CAS No) 7732-18-5	69 - 71	Not classified
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivatives, hydroxides, inner salts	(CAS No) 61789-40-0	29 - 31	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Aquatic Acute 1, H400

Full text of H-phrases: see section 16

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of First Aid Measures

**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).

**First-aid Measures After Inhalation:** When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

**First-aid Measures After Skin Contact:** Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists.

**First-aid Measures After Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

**First-aid Measures After Ingestion:** Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

### 4.2. Most Important Symptoms and Effects, Both Acute and Delayed

**Symptoms/Injuries:** Causes serious eye irritation. Causes skin irritation.

**Symptoms/Injuries After Inhalation:** Not expected to present a significant inhalation hazard under anticipated conditions of normal use. Prolonged exposure may cause irritation.

**Symptoms/Injuries After Skin Contact:** Redness, pain, swelling, itching, burning, dryness, and dermatitis.

**Symptoms/Injuries After Eye Contact:** Contact causes severe irritation with redness and swelling of the conjunctiva.

**Symptoms/Injuries After Ingestion:** If a large quantity has been ingested: May cause nausea, vomiting, and diarrhea. Ingestion may cause adverse effects.

### 4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If medical advice is needed, have product container or label at hand. If exposed or concerned, get medical advice and attention.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing Media

**Suitable Extinguishing Media:** Alcohol foam, dry chemical, carbon dioxide, water spray, fog. Use extinguishing media appropriate for surrounding fire.

**Unsuitable Extinguishing Media:** Do not use a heavy water stream. Use of heavy stream of water may spread fire.

### 5.2. Special Hazards Arising From the Substance or Mixture

**Fire Hazard:** Not considered flammable but may burn at high temperatures.

**Explosion Hazard:** Product is not explosive.

**Reactivity:** Stable at ambient temperature and under normal conditions of use. Hazardous reactions will not occur under normal conditions.

### 5.3. Advice for Firefighters

**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire.

**Firefighting Instructions:** Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Other Information:** Do not allow run-off from fire fighting to enter drains or water courses.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid breathing (vapor, mist, spray). Avoid all contact with skin, eyes, or clothing.

6.1.1. For Non-emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

6.1.2. For Emergency Responders

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Ventilate area. Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

6.2. Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment. Collect spillage.

6.3. Methods and Material for Containment and Cleaning Up

For Containment: Absorb and/or contain spill with inert material, then place in suitable container. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

6.4. Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection. See Section 13, Disposal Considerations.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Precautions for Safe Handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid breathing vapors, mist, spray. Avoid contact with skin, eyes and clothing.

Hygiene Measures: Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Incompatible Products: Strong acids, strong bases, strong oxidizers.

Incompatible Materials: Sources of ignition. Direct sunlight.

7.3. Specific End Use(s)

Personal Care products

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), or OSHA (PEL).

8.2. Exposure Controls

- Appropriate Engineering Controls
- Personal Protective Equipment
- : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.
- : Gloves. Safety glasses. Protective clothing. Protective goggles.



- Hand Protection
- Eye Protection
- Skin and Body Protection
- Respiratory Protection
- Other Information
- : Wear protective gloves.
- : Chemical safety goggles.
- : Wear suitable protective clothing.
- : In case of inadequate ventilation wear respiratory protection. If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.
- : When using, do not eat, drink or smoke.

# MSDS

## Cocoamidopropyl Betaine

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1. Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Colorless to pale yellow
Odor	: Slight fatty
Odor Threshold	: No data available
pH	: 4 - 6
Relative Evaporation Rate (butylacetate=1)	: No data available
Melting Point	: < -10 °C (14 °F)
Freezing Point	: No data available
Boiling Point	: > 100 °C (212 °F)
Flash Point	: > 100 °C (212 °F)
Auto-ignition Temperature	: No data available
Decomposition Temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor Pressure	: No data available
Relative Vapor Density at 20 °C	: No data available
Relative Density	: No data available
Specific Gravity	: 1.045-1.065 @ 20°C
Solubility	: Water: Soluble
Partition Coefficient: N-Octanol/Water	: 4.2 Log Kow
Viscosity	: < 100 cP 30°C (Brookfield, #1, 50 rpm)
Explosive Properties	: No data available
Oxidizing Properties	: No data available
Explosive Limits	: Not applicable

#### 9.2. Other Information No additional information available

### SECTION 10: STABILITY AND REACTIVITY

- 10.1 Reactivity:** Stable at ambient temperature and under normal conditions of use. Hazardous reactions will not occur under normal conditions.
- 10.2 Chemical Stability:** Product is stable.
- 10.3 Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4 Conditions to Avoid:** Direct sunlight, extremely high or low temperatures, and incompatible materials.
- 10.5 Incompatible Materials:** Strong acids, strong bases, strong oxidizers.
- 10.6 Hazardous Decomposition Products:** Under fire conditions this material may produce hazardous carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), various low molecular weight hydrocarbons, and smoke.

### SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1. Information On Toxicological Effects

**Acute Toxicity** : Not classified

**Cocoamidopropyl Betaine (61789-40-0)**

**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivatives, hydroxides, inner salts (61789-40-0)**

<b>LD50 Oral Rat</b>	4900 mg/kg
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**Skin Corrosion/Irritation:** Causes skin irritation.

**pH:** 4 - 6

**Serious Eye Damage/Irritation:** Causes serious eye irritation.

**pH:** 4 - 6

**Respiratory or Skin Sensitization:** Not classified

**Germ Cell Mutagenicity:** Not classified

**Carcinogenicity:** Not classified

**Cocoamidopropyl Betaine (61789-40-0)**

## Cocoamidopropyl Betaine

**Reproductive Toxicity:** Not classified

**Specific Target Organ Toxicity (Single Exposure):** Not classified

**Cocoamidopropyl Betaine (61789-40-0)**

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified

**Aspiration Hazard:** Not classified

**Potential Adverse Human Health Effects and Symptoms:** Based on available data, the classification criteria are not met.

**Symptoms/Injuries After Inhalation:** Not expected to present a significant inhalation hazard under anticipated conditions of normal use. Prolonged exposure may cause irritation.

**Symptoms/Injuries After Skin Contact:** Redness, pain, swelling, itching, burning, dryness, and dermatitis.

**Symptoms/Injuries After Eye Contact:** Contact causes severe irritation with redness and swelling of the conjunctiva.

**Symptoms/Injuries After Ingestion:** If a large quantity has been ingested: May cause nausea, vomiting, and diarrhea. Ingestion may cause adverse effects.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

**Ecology - General** : Very toxic to aquatic life.

**Cocoamidopropyl Betaine (61789-40-0)**

**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivatives, hydroxides, inner salts (61789-40-0)**

<b>LC50 Fish 1</b>	1 (1 - 10) mg/l (Exposure time: 96 h - Species: Brachydanio rerio)
<b>EC50 Daphnia 1</b>	6.5 mg/l (Exposure time: 48 h - Species: Daphnia magna)
<b>EC50 Other Aquatic Organisms 1</b>	1 (1 - 10) mg/l (Exposure time: 72 h - Species: Desmodesmus subspicatus)
<b>LC 50 Fish 2</b>	2 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [semi-static])

### 12.2. Persistence and Degradability

**Cocoamidopropyl Betaine (61789-40-0)**

<b>Persistence and Degradability</b>	Not established.
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### 12.3. Bioaccumulative Potential

**Cocoamidopropyl Betaine (61789-40-0)**

<b>Bioaccumulative Potential</b>	Not established.
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### 12.4. Mobility in Soil

**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivatives, hydroxides, inner salts (61789-40-0)**

<b>Log Koc</b>	2.8
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### 12.5. Other Adverse Effects

**Other Information** : Avoid release to the environment.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

**Waste Disposal Recommendations:** Dispose of contents/container in accordance with local, regional, national, and international regulations.

**Additional Information:** Container may remain hazardous when empty. Continue to observe all precautions.

**Ecology – Waste Materials:** Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

## SECTION 14: TRANSPORT INFORMATION

In Accordance With ICAO/IATA/IMDG/DOT

### 14.1. UN Number

**UN-No.(DOT)** : 3082

**DOT NA no.** UN3082

### 14.2. UN Proper Shipping Name

**Proper Shipping Name (DOT)** : Environmentally hazardous substances, liquid, n.o.s.

**Class (DOT)** : 9 - Class 9 - Miscellaneous hazardous material 49 CFR 173.140

**Hazard Labels (DOT)** : 9 - Class 9 (Miscellaneous dangerous materials)



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<b>DOT Symbols</b>	: G - Identifies PSN requiring a technical name
<b>Packing Group (DOT)</b>	: III - Minor Danger
<b>DOT Special Provisions (49 CFR 172.102)</b>	: 8 - A hazardous substance that is not a hazardous waste may be shipped under the shipping description "Other regulated substances, liquid or solid, n.o.s.", as appropriate. In addition, for solid materials, special provision B54 applies 146 - This description may be used for a material that poses a hazard to the environment but does not meet the definition for a hazardous waste or a hazardous substance, as defined in 171.8 of this subchapter, or any hazard class as defined in Part 173 of this subchapter, if it is designated as environmentally hazardous by the Competent Authority of the country of origin, transit or destination 173 - An appropriate generic entry may be used for this material 335 - Mixtures of solids that are not subject to this subchapter and environmentally hazardous liquids or solids may be classified as "Environmentally hazardous substances, solid, n.o.s," UN3077 and may be transported under this entry, provided there is no free liquid visible at the time the material is loaded or at the time the packaging or transport unit is closed. Each transport unit must be leak-proof when used as bulk packaging IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). 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, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672) T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3) TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $97 / (1 + a (tr - tf))$ Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling TP29 - A portable tank having a minimum test pressure of 1.5 bar (150.0 kPa) may be used provided the calculated test pressure is 1.5 bar or less based on the MAWP of the hazardous materials, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP
<b>DOT Packaging Exceptions (49 CFR 173.xxx)</b>	: 155
<b>DOT Packaging Non Bulk (49 CFR 173.xxx)</b>	: 203
<b>DOT Packaging Bulk (49 CFR 173.xxx)</b>	: 241
<b>14.3. Additional Information</b>	
<b>Emergency Response Guide (ERG) Number</b>	: 171
<b>Other information</b>	: No supplementary information available.
<b>Transport by Sea</b>	
<b>DOT Vessel Stowage Location</b>	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel
<b>EmS-No. (1)</b>	: F-A
<b>EmS-No. (2)</b>	: S-F
<b>Air Transport</b>	
<b>DOT Quantity Limitations Passenger Aircraft/Rail (49 CFR 173.27)</b>	: No limit
<b>DOT Quantity Limitations Cargo Aircraft Only (49 CFR 175.75)</b>	: No limit

### SECTION 15: REGULATORY INFORMATION

#### 15.1 US Federal Regulations

Cocoamidopropyl Betaine (61789-40-0)	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard

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## Cocoamidopropyl Betaine

<b>1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivatives, hydroxides, inner salts (61789-40-0)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory
<b>Water (7732-18-5)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory

**15.2 US State Regulations** Neither this product nor its chemical components appear on any US state lists.

### SECTION 16: OTHER INFORMATION

*The data herein are based on our current knowledge and believed to be reliable. Henan Aslan Chemical Co provides this information without any representation or warranty, expressed or implied, regarding its accuracy or correctness. Users must make their own determination that handling, storage, use and disposal of the product in the anticipated manner is safe and appropriate. Because these actions of the user are out of our control, and may be beyond our knowledge, we do not assume responsibility and expressly disclaim liability for loss, damage, expense or any other claim arising out of or in any way connected with the handling, storage, use or disposal of the product or container.*