



MATERIAL SAFETY DATA SHEET (MSDS)

COCAMIDOPROPYL BETAINE (CAPB 30%)

Product Name: Cocamidopropyl Betaine 30% (CAPB 30%)

Chemical Name: Cocamidopropyl Betaine

INCI Name: Cocamidopropyl Betaine

CAS Number: 61789-40-0

EC Number: 263-058-8

UN Number: Not Regulated

Document No.: BK-MSDS-CAPB-001

Revision: 1.0

Issue Date: July 2026

Prepared According to:

- Globally Harmonized System (GHS)
- OSHA Hazard Communication Standard (29 CFR 1910.1200)
- REACH Regulation (EC) No. 1907/2006

SECTION 1 – IDENTIFICATION

Product Identifier

Product Name: Cocamidopropyl Betaine 30%

Recommended Uses

Amphoteric surfactant used in:

- Shampoo
- Liquid Soap
- Body Wash
- Facial Cleanser
- Bubble Bath
- Hand Wash
- Baby Care Products
- Household Cleaners
- Dishwashing Liquids
- Industrial Cleaning Products



CAPB 30% is widely used as a mild surfactant, foam booster, viscosity enhancer, and conditioning agent in personal care and cleaning formulations.

Restrictions on Use

Industrial and professional use only unless otherwise specified.

SECTION 2 – HAZARD IDENTIFICATION

GHS Classification

- Eye Irritation – Category 2
- Aquatic Chronic – Category 3 (depending on formulation)

GHS Label Elements

Signal Word

Warning

Hazard Pictogram

Eye Irritation

Hazard Statements

- H319: Causes serious eye irritation.
- H412: Harmful to aquatic life with long-lasting effects.

Precautionary Statements

- Avoid release to the environment.
- Wear protective gloves and eye protection.
- Wash hands thoroughly after handling.
- Avoid contact with eyes.



SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	Content
Cocamidopropyl Betaine	61789-40-0	28–32%
Water	7732-18-5	Balance
Sodium Chloride	7647-14-5	4–7%
Preservative (if applicable)	Proprietary	<1%

SECTION 4 – FIRST AID MEASURES

Inhalation

Move the affected person to fresh air.

Seek medical attention if irritation persists.

Skin Contact

Wash thoroughly with soap and water.

Remove contaminated clothing.

Seek medical advice if irritation develops.

Eye Contact

Immediately rinse with clean water for at least **15 minutes** while holding eyelids open.

Remove contact lenses if present.

Seek immediate medical attention if irritation persists.

Ingestion

Rinse mouth thoroughly.

Do not induce vomiting.



Drink water if conscious.

Seek medical advice.

SECTION 5 – FIRE FIGHTING MEASURES

Suitable Extinguishing Media

- Water spray
- Foam
- Carbon dioxide
- Dry chemical

Unsuitable Media

High-pressure water jet.

Hazardous Combustion Products

During fire:

- Carbon monoxide
- Carbon dioxide
- Nitrogen oxides
- Irritating smoke

Protective Equipment

Firefighters should wear:

- Self-contained breathing apparatus (SCBA)
- Protective clothing



SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions

Wear:

- Protective gloves
- Safety goggles

Avoid contact with eyes.

Environmental Precautions

Prevent discharge into drains, waterways, and soil.

Cleanup Methods

Contain spill.

Absorb using:

- Sand
- Earth
- Vermiculite
- Universal absorbent

Collect into suitable containers.

Wash contaminated area with water.

SECTION 7 – HANDLING AND STORAGE

Handling

Avoid:

- Eye contact
- Prolonged skin contact

Use adequate ventilation.

Observe good industrial hygiene.



Storage

Store in tightly closed containers.

Recommended storage temperature:

5–40°C

Protect from:

- Freezing
- Direct sunlight
- Excessive heat

Recommended container:

HDPE or plastic containers.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

General mechanical ventilation.

Local exhaust where necessary.

Personal Protective Equipment

Eyes

Chemical splash goggles.

Hands

Chemical-resistant gloves.

Respiratory

Normally not required.



Use suitable respiratory protection if mist is generated.

Body

Protective clothing.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Appearance	Clear to pale yellow liquid
Odor	Mild characteristic
pH (10% solution)	5.0–7.0
Active Matter	Approximately 30%
Solubility	Completely soluble in water
Density (25°C)	1.03–1.08 g/cm ³
Flash Point	Not applicable
Boiling Point	Approximately 100°C
Freezing Point	Below 0°C
Viscosity	Variable depending on salt content

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability

Stable under normal storage conditions.

Conditions to Avoid

- Freezing
- Excessive heat
- Strong oxidizing agents

Incompatible Materials

- Strong acids
- Strong alkalis
- Strong oxidizers



Hazardous Decomposition Products

- Carbon monoxide
- Carbon dioxide
- Nitrogen oxides

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute Toxicity

Low acute toxicity.

Skin Contact

May cause mild irritation after prolonged exposure.

Eye Contact

Causes serious eye irritation.

Inhalation

Mist may irritate respiratory tract.

Ingestion

May cause:

- Nausea
- Stomach discomfort
- Vomiting

Sensitization

CAPB has a low sensitization potential when residual impurities such as amidoamine and DMAPA are tightly controlled; reported allergic reactions are often linked to those impurities rather than CAPB itself.



SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity

Avoid uncontrolled release into the environment.

Biodegradability

This surfactant complies with biodegradability requirements under the EU Detergents Regulation and is readily biodegradable.

Bioaccumulation

Not expected.

Mobility

Completely miscible in water.

SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose according to local regulations.

Preferred methods:

- Approved waste treatment
- Recycling of clean packaging where possible

Do not discharge concentrated product into waterways.

SECTION 14 – TRANSPORT INFORMATION

Item	Status
UN Number	Not Regulated
Proper Shipping Name	Not Applicable
Hazard Class	Not Regulated
Packing Group	Not Applicable
Marine Pollutant	No
ADR	Not Regulated



Item	Status
IMDG	Not Regulated
IATA	Not Regulated

CAPB 30% is not classified as dangerous goods for transport under standard transport regulations.

SECTION 15 – REGULATORY INFORMATION

This product is manufactured in accordance with applicable international chemical regulations.

Applicable regulations may include:

- GHS
- OSHA Hazard Communication Standard
- REACH (EC) No. 1907/2006
- EU Detergents Regulation (EC) No. 648/2004 (biodegradability requirements for surfactants)

SECTION 16 – OTHER INFORMATION

Typical Applications

- Shampoo
- Body Wash
- Facial Cleanser
- Bubble Bath
- Liquid Soap
- Baby Shampoo
- Pet Shampoo
- Hand Wash
- Household Detergents
- Industrial Cleaners

Revision History

Revision	Date	Description
1.0	July 2026	Initial Issue