



MATERIAL SAFETY DATA SHEET (MSDS/SDS)

Cocamidopropyl Betaine 30% — CAPB 30

Version: 1.0

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Product form: Aqueous surfactant solution

Publication note: This SDS is prepared for a typical CAPB 30% solution. Basekim should confirm the exact composition, UFI, emergency number and batch-specific physical properties before commercial issue.

1. Identification

Product name: Cocamidopropyl Betaine 30%

Abbreviation: CAPB 30

Chemical type: Amphoteric/zwitterionic surfactant

CAS number: 61789-40-0 / 97862-59-4

Recommended use: Ingredient for shampoos, liquid soaps, body washes, household cleaners and other detergent or personal-care formulations. Basekim markets the product as an export-grade 30% CAPB solution.

Supplier: Basekim Chemical Production Co. Ltd.

Email: info@basekim.com

Website: basekim.com

Emergency telephone: Insert the supplier's monitored emergency number.

2. Hazard Identification

GHS/CLP classification

- Serious Eye Damage — Category 1
- Hazardous to the Aquatic Environment, Chronic — Category 3

Signal word: DANGER

Pictogram: GHS05 — Corrosion

Hazard statements:



- **H318:** Causes serious eye damage.
- **H412:** Harmful to aquatic life with long-lasting effects.

Precautionary statements:

- **P273:** Avoid release to the environment.
- **P280:** Wear protective gloves and eye/face protection.
- **P305+P351+P338:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses when present and easy to do. Continue rinsing.
- **P310:** Immediately call a poison centre or doctor.
- **P501:** Dispose of contents and container according to applicable regulations.

A recent EU-format supplier SDS classifies CAPB 30% as Eye Damage Category 1 and Aquatic Chronic Category 3.

3. Composition/Information on Ingredients

Component	CAS No.	Concentration
Water	7732-18-5	Approximately 62–72%
Cocamidopropyl Betaine	61789-40-0 / 97862-59-4	Approximately 28–38%
Sodium chloride and processing residues	Mixture	Minor amount

The exact composition and impurity profile are proprietary and should be confirmed using the product formulation and Certificate of Analysis.

4. First-Aid Measures

Inhalation: Move the person to fresh air. Obtain medical advice if respiratory discomfort continues.

Skin contact: Remove contaminated clothing and wash thoroughly with soap and water. Seek medical advice if irritation develops.

Eye contact: Immediately rinse cautiously with water for at least 15 minutes. Remove contact lenses when easy to do. Continue rinsing and obtain immediate medical attention.

Ingestion: Rinse the mouth. Do not induce vomiting. Contact a poison centre or doctor if the person feels unwell.



5. Firefighting Measures

The water-based product is not expected to be readily flammable.

Suitable media:

- Water spray
- Foam
- Dry chemical
- Carbon dioxide

Avoid a heavy direct water stream. Thermal decomposition may generate carbon monoxide, carbon dioxide and irritating or toxic fumes.

Firefighters should use suitable protective clothing and self-contained breathing apparatus where necessary.

6. Accidental Release Measures

- Restrict access to the spill area.
- Wear gloves and eye/face protection.
- Stop the leak when safe.
- Contain with sand, earth, diatomaceous earth or another inert absorbent.
- Collect in suitable labelled containers.
- Prevent entry into drains, waterways and soil.
- Wash remaining residue with water after bulk material has been removed.
- Use caution because spilled material may create slippery surfaces.

7. Handling and Storage

Avoid contact with skin and eyes. Do not eat, drink or smoke while handling the product. Wash hands thoroughly after use.

Store in closed plastic containers in a cool, well-ventilated place.

Recommended storage temperature: 5–40°C

Protect from freezing, excessive heat, contamination and direct sunlight.



8. Exposure Controls/Personal Protection

Engineering controls: Provide adequate general or local ventilation.

Eye protection: Chemical safety goggles and face protection where splashing may occur.

Hand protection: Chemical-resistant nitrile gloves.

Body protection: Suitable protective clothing and footwear.

Respiratory protection: Normally not required under well-ventilated conditions. Use suitable respiratory protection if aerosols or mist are generated.

An EU supplier SDS specifies nitrile gloves and eye protection, with respiratory protection where ventilation is insufficient.

9. Physical and Chemical Properties

Property	Typical Information
Physical state	Liquid
Appearance	Clear to light-yellow liquid
Odour	Characteristic
Active content	Approximately 30%
pH	Approximately 5–7
Relative density	Approximately 1.04–1.09 g/cm ³
Freezing point	Approximately 0°C
Boiling point	Above 100°C
Flash point	Above 180°C, open cup
Solubility	Easily soluble in water
Dynamic viscosity	Grade dependent; up to approximately 20 Pa·s at 20°C

Values are representative and must be checked against Basekim's product specification or Certificate of Analysis.



10. Stability and Reactivity

Stable under recommended conditions of storage and use.

Avoid excessive heat and contact with:

- Strong oxidising agents
- Strong acids
- Strong bases
- Aluminium and incompatible metals

Hazardous polymerisation is not expected. Thermal decomposition may produce carbon monoxide, carbon dioxide and toxic or irritating fumes.

11. Toxicological Information

Acute toxicity: Not expected to meet classification criteria for acute oral, dermal or inhalation toxicity.

Skin contact: May cause irritation after prolonged or repeated exposure.

Eye contact: Causes serious eye damage.

Sensitisation: The finished mixture is not generally classified as a sensitiser, although residual amidoamine or dimethylaminopropylamine impurities may contribute to reactions in sensitive individuals.

Carcinogenicity, mutagenicity and reproductive toxicity: Not classified based on available data.

Aspiration hazard: Not classified.

12. Ecological Information

Harmful to aquatic life with long-lasting effects.

Representative surfactant data indicate:

- Fish LC50: approximately 1.1 mg/L
- Daphnia EC50: approximately 6.5 mg/L



- Algae EC50: approximately 8 mg/L

CAPB is reported as rapidly biodegradable, with approximately 76.3% biodegradation over 28 days in one referenced test. It is not expected to meet PBT or vPvB criteria. Avoid uncontrolled environmental release.

13. Disposal Considerations

Dispose of product, contaminated absorbents and packaging through an authorised waste contractor.

Do not release concentrated product into drains, soil or waterways.

Waste codes must be selected according to the product's use, contamination and local regulations.

14. Transport Information

Regulation	Classification
UN number	Not assigned
ADR/RID	Not regulated
IMDG	Not regulated
IATA/ICAO	Not regulated
Packing group	Not applicable
Marine pollutant	No

Transport in tightly closed, upright containers protected from leakage, freezing and physical damage.

15. Regulatory Information

The final supplier SDS must comply with the regulations of the country where the product is manufactured, imported or sold.

A referenced EU supplier SDS states that the formulation contains no substances listed on the REACH Candidate List, Authorisation List, POP list or ozone-depleting-substance list. Basekim must independently confirm these declarations for its own formulation.



16. Other Information

Hazard statement definitions:

- **H318:** Causes serious eye damage.
- **H412:** Harmful to aquatic life with long-lasting effects.

This SDS is intended for industrial safety guidance for a typical **Cocamidopropyl Betaine 30% aqueous solution**. The responsible supplier must verify the formulation, impurity levels, specifications, emergency contact information and destination-country classification before publication.

Supplier: Basekim Chemical Production Co. Ltd.

Email: info@basekim.com

Website: basekim.com