MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	CAPB 35
Description:	Cocamidopropyl Betaine /cocoamido propyl betaine /CAPB / CAPB 35
Product Code:	CAPB
Suggested Use:	Surfactant
Restrictions on Use:	N/A
Supplier:	COSMO CHEMISTRY Office No. 713, Millennium Business Hub, Sarthana Jakatnaka, Varachha Main Road, Surat, Gujarat, India – 395006
Telephone:	+91 979797 7958

2. HAZARDS IDENTIFICATION

Classification

GHS Classification: Skin Irritation (Category 2) Eye Irritation (Category 2)

GHS Label Elements

Pictogram:



Signal Word:

Warning

Hazard Statements:

H315: Causes skin irritation
H319: Causes serious eye irritation

Precautionary Statements:

P280: Wear protective gloves/protective clothing/ eye protection/ face protection.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

HMIS Classification:

Health Hazard: 1
Flammability: 1 Physical Hazards: 0

NFPA Rating:

Health Hazard: 1
Fire: 1
Reactivity Hazard: 0

Potential Health Effects

Inhalation:	May be harmful if inhaled. Unlikely to cause serious injury.
Skin:	May cause skin irritation.
Eyes:	Causes serious eye irritation.
Ingestion:	May cause irritation to mouth, throat, and stomach.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Number	Concentration
Cocamidopropyl Betaine	61789-40-0	29-32%
Sodium Chloride	7647-14-5	4-6%
Glycerine	56-81-5	<2%
Water	7732-18-5	63-66%

Synonyms: Coco Betaine; Coco Amido Betaine; 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-cocoacyl derivatives, hydroxides, inner salts

4. FIRST AID MEASURES

If Inhaled: If inhaled, move person into fresh air. If not breathing, give artificial respiration and seek emergency medical attention. Consult a physician.

Skin Contact: If irritated, take off contaminated clothing and shoes immediately. Flush skin with plenty of water for at least fifteen minutes. If irritation persists, consult a physician.

Eye Contact: If irritated, flush eyes with plenty of water for at least 15 minutes. Remove contact lenses if able to do so. If irritation persists, consult a physician. Continue rinsing eyes during transport to hospital.

If Ingested: Do NOT induce vomiting unless instructed to do so by a physician. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIREFIGHTING MEASURES

Flammability Overview: Considered a non-flammable water solution.

Flash Point: N/A

Extinguishing Media: Use water-spray, alcohol-resistant foam, dry chemical, or carbon dioxide. Tailor extinguishing media to surrounding fire.

Special Protective Equipment for Firefighters:
Wear a self-contained breathing apparatus (SCBA) for firefighting if necessary.

Hazardous Combustion Products: Under fire conditions: Carbon oxides. Amines. Nitrates. Nitrites.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment. Always ensure adequate ventilation.

Environmental Precautions: Prevent further leakage or spillage if safe to do so. Prevent from entering drains and waterways. Discharge into the environment must be avoided.

Containment and Clean Up: Soak up with inert absorbent material and dispose of. Keep in suitable, closed containers for disposal. If assistance is needed call CHEMTREC or emergency services.

7. HANDLING AND STORAGE

Safe Handling: Use personal protective equipment. Always ensure adequate ventilation.

Safe Storage: Keep containers tightly closed in a dry well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store away from incompatible materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Component	CAS Number	Exposure Limit	Basis
Cocamidopropyl Betaine	61789-40-0	Not Established	ACGIH Threshold Value (TLV)
		Not Established	OSHA Table Z-1: Limits for Air Contaminants
		Not Established	NIOSH Recommended Exposure Limits
Sodium Chloride	7647-14-5	Not Established	ACGIH Threshold Value (TLV)
		Not Established	OSHA Table Z-1: Limits for Air Contaminants
		Not Established	NIOSH Recommended Exposure Limits

Personal Protective Equipment

Eye Protection: Tightly fitting safety goggles should be sufficient. Have eye-wash stations available where eye contact can occur.

Hand Protection:	Handle with chemical-resistant gloves. Gloves must be inspected prior to use. Wash and dry hands after use.
Skin Protection:	Wear a chemical apron or other protective clothing to prevent skin contact. Safety showers should be located in the work area where skin contact can occur.
Respiratory Protection:	Where risk assessment shows air-purifying respirators are appropriate, use a NIOSH-approved full face respirator with appropriate cartridges. For high concentrations, unknown concentrations, and for oxygen deficient atmospheres, use a NIOSH approved air-supplied respirator. Respiratory protection may be needed for non-routine or emergency situations. Respiratory protection must be provided in accordance with OSHA 29 CFR 1910.134.
General Controls:	Always ensure adequate ventilation and that working areas contain safety showers and eye wash stations. Handle material in accordance with good industrial hygiene and safety practices.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Light Yellow
Odor:	Slight
Odor Threshold:	N/A
pH:	6-7
Melting/Freezing Point:	-8°C (18°F)
Boiling Point:	>100°C (212°F)
Flash Point:	>100°C (212°F)
Evaporation Rate:	N/A
Flammability (solid, gas):	N/A
Flammability/Explosion Limits:	N/A Vapor
Pressure @ 20°C:	N/A
Vapor Density:	N/A
Specific Gravity:	1.05
Density:	8.75 lbs/gal
Solubility in Water:	Complete
Partition Coefficient:	N/A
Autoignition Temperature:	N/A
Decomposition Temperature:	N/A
Viscosity:	15 cPs

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under recommended storage conditions.

Conditions and Materials to Avoid:
Strong oxidizing agents, reducing agents.

Hazardous Decomposition Products:
Hazardous decomposition products under fire conditions: Carbon oxides. Amines. Nitrates. Nitrites.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Component	CAS Number	Test	Toxicity
Imperial CAPB	61789-40-0 7647-14-5	Oral LD50 (Rat)	>5000 mg/kg
		Dermal LD50 (Rat)	>2000 mg/kg
		Inhalation LC50	No data available

*Data based on similar products

Potential Health Effects

Inhalation: May be harmful if inhaled. Unlikely to cause serious injury.
Skin: May cause skin irritation.
Eyes: Causes serious eye irritation.
Ingestion: May cause irritation to mouth, throat, and stomach.

Signs and Symptoms of Exposure:
Irritation.

Chronic Effects of Long-term Exposure:
No data available

Carcinogenicity: No component of this product at levels greater than 0.1% is identified as carcinogenic by IARC, ACGIH, or OSHA.

12. ECOLOGICAL INFORMATION

Acute Ecotoxicity

Component	CAS Number	Organism	Ecotoxicity
Cocamidopropyl Betaine	61789-40-0	Daphnia magna	48 hr EC50 = 6.5 mg/L
Sodium Chloride	7647-14-5	Daphnia magna	48 hr EC50 = 340-470 mg/L

Ecological Effects

Persistence and Degradability: No data available

Bioaccumulation Potential: Not expected to bio-accumulate

Mobility in Soil: No data available

Other Adverse Effects: Harmful to aquatic life.

13. DISPOSAL CONSIDERATIONS

Disposal: Material should be disposed in accordance with all local, state, and federal regulations. Regulations vary by region.

Contaminated Packaging: Dispose of as unused product.

14. TRANSPORTATION INFORMATION

DOT Information

Proper Shipping Name: N/A
UN Number: N/A
Hazard Class: N/A
Packing Group: N/A
Reportable Quantity (RQ): N/A
Marine Pollutant: N/A
Note: Not regulated as per IATA.

15. REGULATORY INFORMATION

US Federal

SARA 302 Components:	None Listed
SARA 311/312 Hazards:	Acute Health Hazard
SARA 313 Components:	Non Listed
TSCA Inventory:	All chemicals listed

European Union

EC Inventory:	All chemicals listed

State Regulations

CA Prop 65:	No chemicals listed

16. OTHER INFORMATION

This data given here is based on current knowledge and experience. The purpose of this safety data sheet is to describe the products in term of their safety requirements. The data does not signify and Guarantee with regards to the product's properties. However, it is the Sole responsibility of the user to determine the safety, toxicity and Suitability for his own use of the Product described herein. COSMO CHEMISTRY does not make any guarantee, expressly or implied as the actual use by other is beyond our control as to effect of such use.