



SUPREME PETRO CHEMICALS

IMPORTER & DISTRIBUTOR OF INDUSTRIAL CHEMICALS ·
SINCE 1997

No. 145, 1st Floor, Raja Muthiah Road,
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SAFETY DATA SHEET (SDS)

Coco Mono — CMEA (Cocamide MEA) *SDS*

REV 3.1
29 JULY 2026
GHS REV.11 (2025)

CAS **68140-00-1** EC **268-770-2** SIGNAL WORD **DANGER**

GHS05

Serious Eye Damage / Corrosive

GHS07

Irritant

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

Product Name	Coco Mono — CMEA (Cocamide MEA)
Product Type	Cocamide MEA / coconut monoethanolamide
Chemical Family	Non-ionic surfactant alkanolamide
CAS No.	68140-00-1
EC No.	268-770-2
Intended Use	Industrial / professional chemical use — surfactant, foam booster, viscosity modifier, emulsifier in detergents, personal care formulations and industrial cleaning.
Restrictions on Use	Industrial / professional use only. Do not use in consumer or medicinal applications unless separately qualified.
Supplier	Supreme Petro Chemicals
Address	No. 145, 1st Floor, Raja Muthiah Road, Periyamet, Chennai – 600003, India
Emergency Contact	Sanketh — +91 86087 80096 · Sudarshan — +91 81979 47045
Email	admin@supremepetrochemicals.com
Product Page	https://www.supremepetrochemicals.com/products/coco-mono-cmea
SDS Revision	July 2026
SDS Version	3.1



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SECTION 2 HAZARD IDENTIFICATION

Skin Irrit. 2 (H315) · Eye Dam. 1 (H318). Not classified for other hazard classes based on reviewed source data.

GHS Classification	Skin Irritation Category 2; Eye Damage Category 1
Signal Word	DANGER
GHS Pictograms	GHS05 (Serious Eye Damage / Corrosive) GHS07 (Irritant)

HAZARD STATEMENTS

- H315 — Causes skin irritation
- H318 — Causes serious eye damage

PRECAUTIONARY – PREVENTION

- P260 — Do not breathe vapours or spray.
- P271 — Use only outdoors or in a well-ventilated area.
- P272 — Contaminated work clothing should not be allowed out of the workplace.
- P273 — Avoid release to the environment.
- P280 — Wear protective gloves / eye protection / face protection.

PRECAUTIONARY – RESPONSE / STORAGE / DISPOSAL

- P301+P310 — IF SWALLOWED: Immediately call a POISON CENTER or doctor.
- P303+P361+P353 — IF ON SKIN OR HAIR: Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+P340 — IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P305+P351+P338 — IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- P331 — Do NOT induce vomiting.
- P312 — Call a POISON CENTER or doctor if you feel unwell.
- P403+P235 — Store in a well-ventilated place. Keep cool.
- P405 — Store locked up.
- P501 — Dispose of contents/container in accordance with local regulations.



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SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS NO.	EC NO.	% W/W	GHS CLASSIFICATION
Cocamide MEA (coconut monoethanolamide)	68140-00-1	268-770-2	85-100	Skin Irrit. 2 (H315); Eye Dam. 1 (H318)
Residual glycerol / water / free amine	Mixture	Mixture	Balance (grade-dependent)	See supplier specification

Percentages are by weight (w/w). Full text of H-statements listed in Section 16.

SECTION 4 FIRST AID MEASURES

Inhalation	Move to fresh air if dust or fumes are inhaled. Seek medical advice if irritation persists.
Skin Contact	Remove contaminated clothing. Wash affected skin thoroughly with water and soap. Seek medical attention if symptoms persist.
Eye Contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses if present and easy to do. Seek immediate medical attention — product is classified Eye Dam. 1.
Ingestion	Rinse mouth. Do not induce vomiting unless directed by medical personnel. Seek medical advice.
Note to Physician	Treat symptomatically based on exposure route and product hazards. No specific antidote known.

SECTION 5 FIREFIGHTING MEASURES

Suitable Extinguishing Media	Foam, dry chemical powder, carbon dioxide (CO ₂), or water spray.
Unsuitable Media	Direct high-pressure water jet — may spread the material.
Specific Hazards	Combustion may produce carbon oxides and nitrogen oxides. Dust or fine particulate may form combustible or irritating atmospheres. Containers may rupture when heated.
Protective Equipment	Wear full protective clothing and self-contained breathing apparatus (SCBA).
Special Procedures	Evacuate non-essential personnel. Prevent contaminated fire-water run-off from entering drains and waterways.



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SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid dust and slipping hazard. Wear appropriate PPE (see Section 8). Ventilate area.
Environmental Precautions	Prevent entry into drains, sewers, soil and watercourses.
Containment / Clean-up	Collect mechanically (vacuum, shovel) into labelled, closeable containers. Avoid creating dust. Collect material into labelled containers for disposal through an approved waste contractor.
Reference to Sections	See Section 8 for PPE, Section 13 for disposal, Section 15 for regulatory information.

SECTION 7 HANDLING AND STORAGE

Handling Precautions	Avoid contact with eyes and prolonged skin contact. Handle in ventilated areas. Avoid creating dust.
Hygiene	Wash hands after handling. Remove contaminated clothing before reuse. Do not eat, drink or smoke when using.
Storage Conditions	Store in original, tightly closed compatible containers in a cool, dry, well-ventilated area away from strong oxidisers. Inspect containers regularly for leakage or damage.
Storage Temperature	Ambient temperature (typically 15–30°C) unless supplier instructions specify otherwise. Avoid temperatures above the melting point (~75°C) for prolonged periods without appropriate containment.
Incompatible Materials	Strong oxidising agents (nitric acid, chlorine, permanganates, peroxides). Concentrated acids and halogens.
Segregation	Segregate from food, drink, animal feed and incompatible chemicals.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limit	No specific OEL established for Cocamide MEA (CAS 68140-00-1) by OSHA, NIOSH, ACGIH, EU, or India. Apply ALARA / good industrial hygiene. Verify current local OELs before use. Residual components: confirm OELs with supplier.
Engineering Controls	Use closed handling systems or local exhaust ventilation (LEV) for dust, mist, vapour or aerosol. Use explosion-proof ventilation and grounding where applicable.



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Respiratory Protection	If LEV is inadequate, use NIOSH/EN-approved respirator with appropriate cartridge (P95/P100 particulate or organic vapour as applicable). Use SCBA for emergencies or high-concentration scenarios.
Hand / Eye / Skin	Hands: chemical-resistant gloves (nitrile, butyl, neoprene or PVC); select thickness/breakthrough time appropriate to task. Eyes: EN 166/ANSI Z87.1 chemical splash goggles; add face shield for splash risk. Body: chemical-resistant clothing/apron and safety footwear. Provide eyewash station and safety shower at point of use.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White to pale yellow flakes or waxy solid.
Odour	Characteristic (mild fatty/amide odour).
Odour Threshold	Not established.
pH	Not applicable for solid; for 1% aqueous solution typically alkaline (~9–10). Verify from supplier COA/SDS before use.
Melting / Freezing Point	Approx. 60–75°C (corrected from source: value was misplaced under the pH row in the original SDS).
Boiling Point / Range	>150°C (decomposition possible at elevated temperatures; confirm with supplier).
Flash Point	Not established in source. Cocamide MEA is a waxy solid with expected high flash point (>200°C, Cleveland open cup); verify from supplier. [FLAG — see notes]
Auto-ignition Temperature	Not established.
Flammability Limits	Low or not established for solid form; dust clouds may present a hazard.
Vapour Pressure	Not established (very low at ambient temperature; solid/waxy).
Vapour Density (air = 1)	Not established (high MW material).
Relative Density	Approx. 0.95–1.02 (typical for Cocamide MEA; confirm with supplier COA). [FLAG — source had solubility text here: corrected]
Solubility in Water	Dispersible; soluble with surfactant systems. Limited solubility in cold water; improves with heat or co-surfactants. (Corrected from source: this value appeared under Relative Density in original SDS.)
Log Pow (Partition Coeff.)	Not established for commercial grade.
Evaporation Rate	Not established (waxy solid at ambient conditions).



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Viscosity	See supplier specification (liquid at temperatures above melting point; solid at ambient).
VOC Content	Assess per applicable regional VOC regulations. Expected to be low to negligible for solid grade.

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage and handling conditions.
Conditions to Avoid	Avoid heat above melting point without proper containment, ignition sources, contamination, and contact with incompatible materials.
Incompatible Materials	Strong oxidising agents (nitric acid, chlorine, permanganates, peroxides). Concentrated acids and halogens. Reactive with aluminium chloride (AlCl ₃) under elevated temperature — not a concern in ambient blending or storage.
Hazardous Decomposition	Carbon oxides and irritating or toxic fumes (including nitrogen oxides) may be formed in fire or at high temperatures.
Hazardous Reactions	No hazardous reactions under normal storage and handling conditions.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	No specific numeric LD ₅₀ data available in source. Expected low acute oral toxicity for alkanolamide surfactant at commercial grade; confirm with supplier toxicology data.
Acute Dermal Toxicity	No specific numeric LD ₅₀ data available. Causes skin irritation (H315); classified Skin Irrit. 2. Avoid prolonged or repeated contact.
Acute Inhalation Toxicity	No specific numeric LC ₅₀ data available. Dust or hot vapour may irritate respiratory tract. Move to fresh air if exposed; seek medical advice if irritation persists.
Skin Irritation	Classified: Skin Irrit. 2 (H315) — Causes skin irritation. Confirmed by classification in Section 2.
Eye Irritation	Classified: Eye Dam. 1 (H318) — Causes serious eye damage. Confirmed by classification in Section 2. Seek immediate medical attention on contact.
Sensitisation	Not classified for skin or respiratory sensitisation based on reviewed data. Confirm with supplier.



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Carcinogenicity	Not classified. No specific carcinogenicity data identified. Numeric endpoint data requires supplier/test confirmation.
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Mutagenicity	Not classified. No specific mutagenicity data identified. Numeric endpoint data requires supplier/test confirmation.
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SECTION 12 ECOLOGICAL INFORMATION

Aquatic Toxicity	No aquatic classification identified in Section 2 from reviewed data. Numeric ecotoxicity data (LC ₅₀ /EC ₅₀) not universally verified in source. Cocamide MEA is a surfactant and may be toxic to aquatic organisms at elevated concentrations — avoid release.
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Persistence / Degradability	Surfactant alkanolamides are generally considered readily biodegradable, but not universally verified for all commercial grades. Obtain supplier/regulatory data if required for registration or export.
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Bioaccumulation	Use verified log Kow / BCF data where available. UVCB and surfactant materials require supplier formulation-specific data for BCF assessment.
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Mobility in Soil	Assess from solubility, adsorption potential and product form. Prevent release to soil and groundwater.
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Other Adverse Effects	Avoid uncontrolled release to the environment. Manage releases and waste under applicable local environmental regulations.
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SECTION 13 DISPOSAL CONSIDERATIONS

Waste from Product	Dispose of contents through an authorised waste contractor in accordance with local, state and national regulations.
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Contaminated Packaging	Empty containers may retain residues; handle as hazardous until cleaned or disposed. Do not re-use for food, feed, or potable water.
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Indian Regulations	Follow Hazardous Waste (Management, Handling and Transboundary Movement) Rules 2016 (as amended), applicable CPCB/SPCB guidelines and Pollution Control Board requirements. Assign waste code according to actual process and local regulation.
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SECTION 14 TRANSPORT INFORMATION

PARAMETER	UN / ADR (ROAD)	IMDG (SEA)	IATA (AIR)
UN Number	Not regulated	Not regulated	Not regulated
Proper Shipping Name	Not regulated	Not regulated	Not regulated
Class	Not regulated	Not regulated	Not regulated
Packing Group	Not regulated	Not regulated	Not regulated
Marine Pollutant	N/A	Not designated	N/A

DG status 'Not regulated' is based on available data and requires grade-level verification against current ADR/IMDG/IATA criteria before shipment. Do not ship as 'not regulated' until confirmed by qualified person. Use approved compatible containers; UN-certified packaging required for any international DG transport if re-classified. Verify current carrier rules before each shipment.

SECTION 15 REGULATORY INFORMATION

EU / REACH / CLP	Observe REACH Regulation (EC) No. 1907/2006 and CLP Regulation (EC) No. 1272/2008 where applicable. Classified and labelled according to GHS/CLP classification in Section 2.
EU Directive	Observe applicable workplace chemical, VOC and environmental directives.
OSHA (USA)	Prepared in OSHA HCS/HazCom 2012 (29 CFR 1910.1200) aligned 16-section SDS format.
India	Observe applicable MSIHC Rules 1989 (as amended), Factories Act, Hazardous Waste Rules 2016, Environment Protection Act, and applicable CPCB/SPCB requirements.
China (GB Standards)	Apply GB/T 16483 SDS requirements and GHS-aligned classification where marketed in China.
Middle East / GCC	Observe applicable GHS-aligned local requirements for each GCC member state.
TSCA (USA)	Verify TSCA inventory status before US import or distribution; UVCB/mixture status may require supplier confirmation.
Australia (AICS)	Check AICS inventory status before export or import into Australia.
Canada WHMIS / HPR	Classify and label under WHMIS 2015/HPR using Section 2 classification. Canadian sale may require bilingual SDS/label and ingredient disclosure.
Regulatory Scope	Final market placement requires confirmation of inventory status, local OELs, transport class, waste code and restrictions. This SDS does not substitute for market-specific regulatory analysis.



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SECTION 16 OTHER INFORMATION

Prepared By	Supreme Petro Chemicals — Technical Department
SDS Standard	UN GHS Rev.11 (2025); OSHA HCS/HazCom; EU CLP/REACH Annex II; Canada WHMIS/HPR — 16-section format
Revision Date	24 June 2026
Version	3.0 (supersedes prior issues)
Key Sources	SPC product page; original SPC SDS (Rev 1.0, May 2026); UN GHS Rev.11 Annex 4; OSHA HCS Appendix D; EU REACH Annex II/CLP; Canada WHMIS/HPR; PubChem CID 85989; ECHA registered dossier CAS 68140-00-1; NIOSH/OSHA; CAMEO and public supplier SDS/transport references. Accessed June 2026.
Disclaimer	Information is given in good faith and believed accurate at issue. It does not constitute a specification or guarantee; the user is responsible for safe use, handling and compliance.

FULL TEXT OF H-STATEMENTS

- H315 — Causes skin irritation
- H318 — Causes serious eye damage