



SUPREME PETRO CHEMICALS

IMPORTER & DISTRIBUTOR OF INDUSTRIAL CHEMICALS ·
SINCE 1997

No. 145, 1st Floor, Raja Muthiah Road,
Periyamet, Chennai – 600003, India
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SAFETY DATA SHEET (SDS)

Coco Di — CDEA (Cocamide DEA) *SDS*

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

CAS **68603-42-9** EC **271-657-0** SIGNAL WORD **DANGER**

GHS05

Serious Eye Damage

GHS08

Health Hazard

GHS07

Irritant

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

Product Name	Coco Di — CDEA (Cocamide DEA / Coconut Diethanolamide)
Product Type	Cocamide DEA / coconut diethanolamide
Chemical Family	Non-ionic surfactant alkanolamide
CAS No.	68603-42-9
EC No.	271-657-0
Intended Use	Industrial / professional chemical use as listed on the SPC product page.
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-di-cdea
SDS Revision	July 2026
SDS Version	3.1

SECTION 2 HAZARD IDENTIFICATION

Skin Irrit. 2; Eye Dam. 1; Carc. 2



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Signal Word	DANGER
GHS Pictograms	GHS05 (Serious Eye Damage) GHS08 (Health Hazard) GHS07 (Irritant)
Other GHS Hazard Classes	Not classified for unlisted hazard classes based on reviewed source data.

HAZARD STATEMENTS

- H315 — Causes skin irritation
- H318 — Causes serious eye damage
- H351 — Suspected of causing cancer

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
Coconut oil diethanolamide / Cocamide DEA	68603-42-9	271-657-85-100 O		Skin Irrit. 2; Eye Dam. 1; Carc. 2
Free diethanolamine / water (balance)	Mixture	Mixture	Grade-dependent trace/balance	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 mist is inhaled. Obtain medical advice after significant exposure.
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 medical attention immediately.
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.

SECTION 5 FIREFIGHTING MEASURES

Suitable Extinguishing Media	Foam, dry chemical, carbon dioxide or water spray.
Unsuitable Media	Direct high-pressure water jet where it may spread the material.
Specific Hazards	Combustion may produce nitrogen oxides and carbon 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 run-off from entering drains and waterways.



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SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use appropriate PPE (see Section 8). Keep unnecessary personnel away. Avoid inhalation of vapours or mist.
Environmental Precautions	Prevent entry into drains, sewers, soil and watercourses.
Containment / Clean-up	Contain spill with inert absorbent material. Collect into labelled containers for disposal through an approved waste contractor. Prevent release to drains.
Reference to Sections	See Section 8 for PPE, Section 13 for disposal and Section 15 for regulatory information.

SECTION 7 HANDLING AND STORAGE

Handling Precautions	Avoid inhalation of mist and contact with eyes/skin. Keep container tightly closed. Use explosion-proof equipment where applicable.
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. Inspect containers regularly for leakage or damage.
Storage Temperature	Store at ambient temperature unless supplier instructions specify otherwise.
Incompatible Materials	Strong oxidizers and product-specific incompatible substances; see supplier SDS before use.
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 DEA (CAS 68603-42-9) under OSHA/NIOSH/ACGIH/EU/India at time of issue. Apply ALARA / good industrial hygiene practice. Confirm with supplier and regional authority before use.
Engineering Controls	Use closed handling and local exhaust ventilation for dust, mist, vapour or aerosol. Use explosion-proof ventilation and grounding for flammable liquids.
Respiratory Protection	If ventilation is inadequate, use a NIOSH/EN-approved respirator with organic vapour or P95/P100 particulate cartridge as applicable. Use SCBA for emergencies.



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Hand / Eye / Skin	Wear compatible chemical-resistant gloves (nitrile, butyl, neoprene, PVC or laminate; select for breakthrough time). Wear EN 166 / ANSI Z87.1 chemical splash goggles; add face shield for splash risk. Wear chemical-resistant clothing/apron and safety footwear. Provide eyewash and safety shower. Wash after handling.
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SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Amber viscous liquid or paste.
Odour	Characteristic (faint fatty/amine odour).
Odour Threshold	Not established.
pH	Not applicable (neat product). For aqueous solution grades, verify pH from supplier COA/SDS.
Melting / Freezing Point	See supplier specification. (Cocamide DEA typically softens/melts in the range 20–40°C depending on grade.)
Boiling Point / Range	>200°C (estimated; high-molecular-weight fatty amide — decomposes before boiling under atmospheric pressure). Source value '>100°C' was reassigned — see corrections.
Flash Point	>200°C (closed cup, estimated for fatty amide grade). Confirm with supplier COA. Source listed 'Not established' — see flags.
Auto-ignition Temperature	Not established.
Flammability Limits	Low or not established.
Vapour Pressure	Not established (negligible at ambient temperature for high-MW amide).
Vapour Density (air = 1)	Not established (high-MW; vapour not significant at ambient).
Relative Density	Approx. 0.98–1.02 (at 20°C). [CORRECTED from source — value was mis-labelled as 'Vapour Density' in source SDS.]
Solubility in Water	Dispersible / partially soluble (surfactant — disperses in water, especially warm). [CORRECTED from source — value was mis-labelled as 'Relative Density' in source SDS.]
Log Pow (Partition Coeff.)	Not established for commercial grade. [CORRECTED from source — value was mis-labelled as 'Solubility in Water' in source SDS.]
Evaporation Rate	Not established (low vapour pressure; high-MW amide).
Viscosity	See supplier specification (typically viscous paste or pourable liquid at 40–50°C).
VOC Content	Assess per applicable regional VOC regulations. Surfactant amide component is low-volatility.



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SECTION 10 STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage and handling conditions.
Conditions to Avoid	Avoid heat, ignition sources, contamination and incompatible materials.
Incompatible Materials	Strong oxidising agents (nitric acid, chlorine, permanganates, peroxides). Avoid contact with 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 may be formed in fire.
Hazardous Reactions	No hazardous reactions under normal storage and handling conditions.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	No specific numeric LD ₅₀ data verified for this CAS at time of issue. Refer to supplier SDS/test data.
Acute Dermal Toxicity	No specific numeric LD ₅₀ data verified. Refer to supplier SDS/test data.
Acute Inhalation Toxicity	No specific numeric LC ₅₀ data verified. Refer to supplier SDS/test data.
Skin Irritation	Classified Skin Irrit. 2 (H315) – Causes skin irritation.
Eye Irritation	Classified Eye Dam. 1 (H318) – Causes serious eye damage.
Sensitisation	Not classified. Confirm with supplier data.
Carcinogenicity	Classified Carc. 2 (H351) – Suspected of causing cancer. Cocamide DEA is listed as a suspected carcinogen in several public classifications (IARC Group 2B when used in cosmetics; assess jurisdictional applicability).
Mutagenicity	Not classified. Additional endpoint data requires supplier/test confirmation.

SECTION 12 ECOLOGICAL INFORMATION

Aquatic Toxicity	No GHS aquatic hazard classification identified in Section 2 based on reviewed data. Numeric ecotoxicity was not universally verified; avoid release to aquatic environments.
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Persistence / Degradability	Use supplier, ECHA or PubChem data where available. If not verified, do not assume ready biodegradability. Surfactant amides may be biodegradable but confirm with supplier.
Bioaccumulation	Use verified log Kow / BCF data where available. UVCB/surfactant materials require supplier formulation data.
Mobility in Soil	Assess from solubility, adsorption potential and product form. Prevent release to soil and groundwater.
Other Adverse Effects	Avoid uncontrolled release to the environment. Manage releases and waste under applicable local environmental regulations.

SECTION 13 DISPOSAL CONSIDERATIONS

Waste from Product	Dispose of contents through an authorised waste contractor in accordance with local regulations.
Contaminated Packaging	Empty containers may retain residues; handle as hazardous until properly cleaned or disposed of through approved channels.
Indian Regulations	Follow applicable Hazardous and Other Wastes (Management and Transboundary Movement) Rules and State Pollution Control Board requirements.

SECTION 14 TRANSPORT INFORMATION

PARAMETER	UN / ADR (ROAD)	IMDG (SEA)	IATA (AIR)
UN Number	Not regulated	Not regulated	Not regulated
Proper Shipping Name	Not applicable	Not applicable	Not applicable
Class	Not regulated	Not regulated	Not regulated
Packing Group	Not regulated	Not regulated	Not regulated
Marine Pollutant	No	No	—

DG status requires grade verification against ADR/IMDG/IATA criteria. Do not ship as 'not regulated' until verified against current carrier rules. Use approved, compatible, labelled containers. UN-certified drum required for international transport where regulated.



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SECTION 15 REGULATORY INFORMATION

EU / REACH / CLP	Observe REACH and CLP requirements where applicable. Classified and labelled according to the product-specific GHS/CLP classification listed in Section 2. Observe applicable workplace chemical, VOC and environmental directives.
OSHA (USA)	Prepared in OSHA HCS/HazCom aligned 16-section SDS format. Verify TSCA inventory / SNUR status before US import or distribution; mixture/UVCB status may require supplier confirmation.
India	Observe applicable MSIHC Rules, Factories Act, Hazardous and Other Wastes Rules, pollution-control and hazardous-waste requirements.
Other Jurisdictions	Canada WHMIS 2015/HPR: classify/label under Section 2 classification; bilingual SDS/label and ingredient disclosure may be required. China (GB Standards): use applicable GB/T SDS and classification requirements. Middle East/GCC and Australia (AICS): observe applicable GHS-aligned local requirements and check inventory status before export or import. Final market placement requires confirmation of inventory status, local OELs, transport class, waste code and restrictions.

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)
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
- H351 — Suspected of causing cancer