



SUPREME PETRO
CHEMICALS

IMPORTER & DISTRIBUTOR OF INDUSTRIAL CHEMICALS ·
SINCE 1997

No. 145, 1st Floor, Raja Muthiah Road,
Periyamet, Chennai – 600003, India
+91 86087 80096 · +91 81979 47045
admin@supremepetrochemicals.com

SAFETY DATA SHEET (SDS)

Cetyl Alcohol *SDS*

CAS **36653-82-4** EC **253-149-0** SIGNAL WORD **DANGER**

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

GHS07

Harmful / Irritant

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

Product Name	Cetyl Alcohol
Product Type	Cetyl Alcohol – industrial chemical
Chemical Family	Fatty Alcohol (Long-chain primary alcohol)
CAS No.	36653-82-4
EC No.	253-149-0
Intended Use	Industrial / professional use as described on the SPC product page.
Restrictions on Use	Industrial / professional use only. Confirm suitability for final application before use.
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/cetyl-alcohol
SDS Revision	July 2026
SDS Version	3.1

SECTION 2 HAZARD IDENTIFICATION

Eye Irrit. 2 – H319: Causes serious eye irritation. Not classified for other GHS hazard classes based on reviewed source data.

GHS Classification Eye Irrit. 2 (H319)



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Signal Word	WARNING
GHS Pictograms	GHS07 (Harmful / Irritant)
Other Hazard Classes	Not classified for unlisted hazard classes based on reviewed source data.

HAZARD STATEMENTS

- H319 — Causes serious eye irritation

PRECAUTIONARY – PREVENTION

- P210 — Keep away from heat, hot surfaces, sparks, open flames. No smoking.
- P233 — Keep container tightly closed.
- P240 — Ground/bond container and receiving equipment.
- P241 — Use explosion-proof electrical/ventilating/lighting equipment.
- P242 — Use only non-sparking tools.
- P243 — Take precautionary measures against static discharge.
- 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.



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- P501 — Dispose of contents/container in accordance with local regulations.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS NO.	EC NO.	% W/W	GHS CLASSIFICATION
Cetyl Alcohol (1-Hexadecanol)	36653-82-4	253-149-0	100	Eye Irrit. 2 — H319

Full text of H-statements listed in Section 16.

SECTION 4 FIRST AID MEASURES

Inhalation	Remove person to fresh air. Keep comfortable for breathing. Seek medical advice if symptoms persist.
Skin Contact	Remove contaminated clothing. Wash affected skin thoroughly with soap and water. 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. Continue rinsing. Seek medical attention.
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	Dry chemical powder, CO ₂ , foam or water spray appropriate for surrounding fire conditions.
Unsuitable Media	Do not use a direct high-pressure water jet where it may spread the material.
Specific Hazards	Combustible solid. Dust or fine particulate may form combustible or irritating atmospheres. Avoid dust clouds and ignition sources. Containers may rupture when heated. Fire may produce toxic or irritating fumes (carbon oxides).
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	Isolate area. Wear PPE as specified in Section 8. Avoid dust generation. Eliminate ignition sources.
Environmental Precautions	Prevent entry into drains, sewers, soil and watercourses.
Containment / Clean-up	Collect solidified material into labelled, compatible containers for disposal through an approved waste contractor. Avoid generating dust during sweeping.
Reference to Sections	See Section 8 for PPE, Section 13 for disposal, Section 15 for regulatory information.

SECTION 7 HANDLING AND STORAGE

Handling Precautions	Use adequate ventilation. Avoid inhalation of dust or molten vapours. Avoid contact with skin and eyes. Keep away from heat and ignition sources. Prevent dust accumulation.
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. Keep cool and dry.
Storage Temperature	Store at ambient temperature (solid state). If handled molten, maintain above melting point (~49°C) and below flash point.
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 cetyl alcohol (CAS 36653-82-4). Apply ALARA / good industrial hygiene practice. Confirm with local authority (OSHA / NIOSH / ACGIH / EU / India) for any published value.
Engineering Controls	Use local exhaust ventilation for dust and molten vapour control. Use explosion-proof ventilation and grounding where material is handled in molten state.
Respiratory Protection	If ventilation is inadequate, use a NIOSH/EN-approved respirator with P95/P100 particulate filter cartridge. Use SCBA for emergency



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situations.

Hand / Eye / Skin	Gloves: chemical-resistant (nitrile, butyl, neoprene or PVC); select appropriate thickness and breakthrough time. Eye/face: EN 166 / ANSI Z87.1 chemical splash goggles; add face shield for molten material handling. Skin: chemical-resistant apron and safety footwear. Provide eyewash station and safety shower where material is handled.
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SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White waxy solid (flakes, pellets or powder) at room temperature; colourless liquid when molten.
Odour	Faint, characteristic fatty odour.
Odour Threshold	Not established in reviewed public source data.
pH	Not applicable (insoluble solid; no aqueous solution formed under normal conditions).
Melting / Freezing Point	49.3°C (source value; consistent with literature ~49–50°C for 1-hexadecanol).
Boiling Point / Range	334°C at 760 mmHg (source value; consistent with literature ~344°C — see flag).
Flash Point	~175°C (open cup; source value re-assigned from Auto-ignition field — see corrections).
Auto-ignition Temperature	Not established in reviewed source data (value previously listed as auto-ignition was the flash point).
Flammability Limits	Not established in reviewed source data.
Vapour Pressure	~3.06 × 10 ⁻⁶ mmHg at 25°C (source value re-assigned from Relative Density field).
Vapour Density (air = 1)	8.36 (air = 1) (source value re-assigned from Solubility field; consistent with MW 242.4 g/mol).
Relative Density	~0.818–0.819 at 50°C / 4°C (source value re-assigned from Log Pow field).
Solubility in Water	Insoluble (source value re-assigned from Evaporation Rate field).
Log Pow (Partition Coeff.)	~7.3 (literature; source did not carry a valid Log Pow value — see flag).
Evaporation Rate	Not applicable / not established (solid at ambient temperature).
Viscosity	53 mPa·s (= cP) at 75°C (source value re-assigned from VOC Content field).



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VOC Content	Assess per applicable regional VOC regulations; supplier/grade-specific confirmation required.
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SECTION 10 STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage and handling conditions.
Conditions to Avoid	Avoid heat above flash point, ignition sources, contamination and incompatible materials. Avoid generation of dust clouds.
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 (CO , CO_2) and irritating or toxic fumes may be formed on combustion.
Hazardous Reactions	No hazardous reactions under normal storage and handling conditions.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	No specific LD_{50} data verified in reviewed source. Not classified for acute oral toxicity. Supplier/test confirmation required.
Acute Dermal Toxicity	No specific LD_{50} data verified in reviewed source. Not classified for acute dermal toxicity. Supplier/test confirmation required.
Acute Inhalation Toxicity	No specific LC_{50} data verified in reviewed source. Not classified for acute inhalation toxicity. Supplier/test confirmation required.
Skin Irritation	Not classified for skin irritation based on reviewed data. May cause mild irritation on prolonged contact in molten state.
Eye Irritation	Eye Irrit. 2 – H319: Causes serious eye irritation.
Sensitisation	Not classified. No sensitisation data identified in reviewed source.
Carcinogenicity	Not classified. Not listed as carcinogen by IARC, NTP, OSHA or EU.
Mutagenicity	Not classified. No mutagenicity data identified in reviewed source.

SECTION 12 ECOLOGICAL INFORMATION

Aquatic Toxicity	No acute aquatic toxicity classification identified in Section 2 from reviewed data. Numeric ecotoxicity values not universally verified; avoid uncontrolled release to water.
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Persistence / Degradability	Biodegradability data not verified in reviewed source. Do not assume ready biodegradability; obtain supplier/ECHA data where required.
Bioaccumulation	Log Pow ~7.3 suggests potential for bioaccumulation. Verify BCF data with supplier or ECHA for registration or export purposes.
Mobility in Soil	Insoluble in water; low mobility in soil expected. Assess from solubility and adsorption potential. 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. Do not dispose of to drain or waterways.
Contaminated Packaging	Empty containers may retain residues; handle as hazardous until cleaned or disposed. Decontaminate before recycling where permitted.
Indian Regulations	Follow Hazardous Waste (Management, Handling and Transboundary Movement) Rules and applicable Pollution Control Board requirements. Assign waste code according to actual process and local regulation.

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	No	No	—

No UN transport entry identified in reviewed source data. Cetyl alcohol is not regulated under ADR, IMDG or IATA as a hazardous material. Use approved compatible containers. Verify current carrier rules before shipment. Follow applicable ADR / IMDG / IATA requirements.



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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.
OSHA (USA)	Prepared in OSHA HCS/HazCom aligned 16-section SDS format. Verify TSCA inventory / SNUR status before US import or distribution.
India	Observe applicable Indian MSIHC Rules, Factories Act (COSHH), PCB/CPCB requirements, Hazardous Waste Rules, and storage/transport regulations.
Other Jurisdictions	Canada WHMIS 2015/HPR: classify/label under Section 2 classification; bilingual SDS/label may be required. China: apply GB/T SDS and classification requirements where marketed. Australia (AICS): check inventory status before export or import. GCC: observe applicable GHS-aligned local requirements. 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

- H319 — Causes serious eye irritation