



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)

Light Liquid Paraffin *SDS*

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

CAS 8012-95-1 EC 232-384-2 SIGNAL WORD DANGER

GHS08

Health Hazard

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

Product Name	Light Liquid Paraffin
Product Type	White mineral oil, light grade
Chemical Family	Petroleum hydrocarbon oil
CAS No.	8012-95-1
EC No.	232-384-2
Intended Use	Industrial / professional use as listed on the SPC product page.
Restrictions on Use	Industrial / professional use only. Confirm grade suitability before regulated or consumer 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/light-liquid-paraffin
SDS Revision	July 2026
SDS Version	3.1

SECTION 2 HAZARD IDENTIFICATION

Aspiration Hazard Category 1 (Asp. Tox. 1) where low-viscosity grade meets GHS criteria. Not classified for other GHS hazard classes based on reviewed source data.



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GHS Classification	Asp. Tox. 1 — H304
Signal Word	WARNING
GHS Pictograms	GHS08 (Health Hazard)

HAZARD STATEMENTS

- H304 — May be fatal if swallowed and enters airways

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.
- 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
White mineral oil / liquid paraffin	8012-95-1	232-384-2	100	Asp. Tox. 1; H304 (where low-viscosity grade meets viscosity criteria)

Full text of H-statements listed in Section 16.

SECTION 4 FIRST AID MEASURES

Inhalation	Move to fresh air. If symptoms persist, obtain medical attention.
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.
Ingestion	Rinse mouth. Do NOT induce vomiting — aspiration into lungs may be fatal. Seek immediate medical advice / call a POISON CENTER.
Note to Physician	Treat symptomatically based on exposure route. Aspiration hazard: do not induce emesis. Supportive care for pulmonary aspiration where indicated.

SECTION 5 FIREFIGHTING MEASURES

Suitable Extinguishing Media	Foam, dry chemical, carbon dioxide (CO ₂), or water spray/fog.
Unsuitable Media	Direct high-pressure water jet — may spread burning liquid.
Specific Hazards	Combustible liquid. Burning produces carbon oxides and irritating smoke. Containers may rupture when heated. Vapours heavier than air may travel to ignition sources.
Protective Equipment	Wear full protective clothing and self-contained breathing apparatus (SCBA). Evacuate non-essential personnel.
Special Procedures	Prevent contaminated fire-fighting run-off from entering drains and waterways. Cool exposed containers with water spray.



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SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions	Eliminate ignition sources. Wear appropriate PPE (see Section 8). Product is slippery — use caution on spilled surfaces.
Environmental Precautions	Prevent entry into drains, sewers, soil and watercourses. Notify authorities if significant release occurs.
Containment / Clean-up	Contain spill with sand, earth or inert absorbent material. Collect into labelled containers for disposal through an approved waste contractor. Do not flush to drain.
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 generating mists or aerosols. Avoid prolonged skin contact. Use grounded/bonded containers and non-sparking tools.
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 oxidisers (nitric acid, permanganates, peroxides, halogens). Avoid concentrated acids.
Segregation	Segregate from food, drink, animal feed and incompatible chemicals.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limit	White mineral oil (CAS 8012-95-1): use verified local/regional OEL where established (OSHA, NIOSH, ACGIH, EU, UK, India). Apply ALARA / good industrial hygiene practice where no specific OEL is set. Confirm with supplier/regional authority.
Engineering Controls	Use closed handling systems or local exhaust ventilation to control mist, vapour or aerosol. Use explosion-proof ventilation and bonding/grounding for flammable liquid handling.
Respiratory Protection	If ventilation is inadequate, use a NIOSH/EN-approved respirator with organic vapour cartridge or P95/P100 particulate filter as



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applicable. Use SCBA for emergency/fire situations.

Hand / Eye / Skin

Hands: chemical-resistant gloves (nitrile, butyl, neoprene, PVC or laminate); select appropriate thickness and breakthrough time for the task. Eyes: EN 166 / ANSI Z87.1 chemical splash goggles; add face shield for high-splash risk. Body: chemical-resistant clothing/apron and safety footwear; antistatic PPE where flammable vapours may occur. Provide eyewash station and safety shower where appropriate.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear, colourless oily liquid.
Odour	Characteristic (faint mineral oil / odourless in highly refined grades).
Odour Threshold	Not established.
pH	Not applicable (non-aqueous oil).
Melting / Freezing Point	Not established (complex hydrocarbon mixture; pour point typically < -6°C for light grades).
Boiling Point / Range	> 300°C (estimated for C15–C30 mineral oil fraction; decomposes before fully boiling at atmospheric pressure).
Flash Point	Approx. 160°C (closed cup, PM / ASTM D93; typical for light mineral oil – verify with supplier COA).
Auto-ignition Temperature	Not established (typically > 260°C for mineral oils; verify with supplier).
Flammability Limits	Not established for this grade; mineral oils are generally combustible liquids, not flammable liquids at ambient temperature.
Vapour Pressure	< 0.1 hPa at 20°C (negligible at ambient temperature; very low volatility).
Vapour Density (air = 1)	> 5 (heavy hydrocarbon vapours are denser than air; estimate for C15+ fractions).
Relative Density	Approx. 0.82–0.87 g/cm ³ at 15°C (typical for light white mineral oil; verify with supplier COA).
Solubility in Water	Insoluble.
Log Pow (Partition Coeff.)	Not established for supplied commercial grade (UVCB / complex mixture; supplier data required).
Evaporation Rate	Very low (non-volatile at ambient temperature; negligible evaporation).



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Viscosity	Low to medium viscosity oil; grade-specific — confirm kinematic viscosity (cSt at 40°C) with supplier COA.
VOC Content	Negligible / assess under applicable local VOC regulations; highly refined mineral oils are typically low-VOC.

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage and handling conditions.
Conditions to Avoid	Avoid heat, ignition sources, contamination and exposure to 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 (CO, CO ₂) and irritating or toxic fumes may be formed in fire or at high temperature.
Hazardous Reactions	Will not occur under normal conditions when stored and handled correctly.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	Low acute oral toxicity expected for mineral oil. Primary hazard on ingestion is aspiration (H304) — may be fatal if swallowed and enters airways for low-viscosity grades. Numeric LD50 not established; supplier confirmation required.
Acute Dermal Toxicity	Expected to be low; prolonged or repeated skin contact may cause mild irritation or defatting. Numeric LD50 not established.
Acute Inhalation Toxicity	Oil mist / aerosol at elevated concentrations can irritate the respiratory tract. Vapour pressure is negligible at ambient temperature; inhalation risk is low under normal handling conditions. Numeric LC50 not established.
Skin Irritation	Prolonged or repeated contact may cause mild skin irritation or defatting dermatitis; not classified as a skin irritant under GHS based on available data.
Eye Irritation	May cause mild transient eye irritation; not classified under GHS based on available data.



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Sensitisation	Not classified as a skin or respiratory sensitiser based on available data.
Carcinogenicity	Highly refined white mineral oils are not classified as carcinogens under GHS (IARC Group 3 for highly refined oils). Confirm supplier refinement classification.
Mutagenicity	Not classified as a mutagen based on reviewed data. Supplier confirmation for mutagenicity testing required.

SECTION 12 ECOLOGICAL INFORMATION

Aquatic Toxicity	No acute or chronic aquatic classification identified from reviewed data. Numeric ecotoxicity values not universally verified; avoid release to water.
Persistence / Degradability	Mineral oils are not readily biodegradable. Do not assume ready biodegradability; obtain supplier or ECHA data if required for registration.
Bioaccumulation	Potential for bioaccumulation exists (high log Kow expected for complex hydrocarbon mixture); use verified log Kow / BCF data from supplier where available.
Mobility in Soil	Low water solubility limits mobility in soil; may adsorb to soil particles. 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 pour down drains or into watercourses.
Contaminated Packaging	Empty containers may retain residues; handle as hazardous until cleaned or disposed. Return to supplier or dispose through approved contractor.
Indian Regulations	Follow Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and applicable State Pollution Control Board requirements.



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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	No	N/A

Light liquid paraffin / white mineral oil is generally not regulated for transport under ADR, IMDG or IATA when below the flash point trigger threshold. Verify current carrier rules and viscosity / aspiration classification before each shipment. Use UN-certified, compatible containers; label with product name. Follow applicable ADR, IMDG and IATA requirements for any transport-regulated variant.

SECTION 15 REGULATORY INFORMATION

EU / REACH / CLP	Observe REACH and CLP requirements where applicable. Classified and labelled according to the 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; UVCB status may require supplier confirmation.
India	Observe applicable Indian MSIHC Rules (1989, as amended), Hazardous Chemicals Rules, workplace OEL standards, CPCB / SPCB environmental requirements and Hazardous Waste Management Rules 2016.
Other Jurisdictions	China: use applicable GB/T SDS and classification requirements where marketed. Canada: classify / label under WHMIS 2015 / HPR; bilingual SDS and ingredient disclosure may be required. GCC / Middle East: observe applicable GHS-aligned local requirements. Australia (AICS): check inventory status before import. Final market placement requires confirmation of local inventory status, OELs, transport class, waste code and restrictions.

SECTION 16 OTHER INFORMATION

Prepared By **Supreme Petro Chemicals** — Technical Department



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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

- H304 — May be fatal if swallowed and enters airways