



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 Paraffin Wax *SDS*

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

CAS 8002-74-2 EC 232-315-6 SIGNAL WORD **DANGER**

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

Product Name	Light Paraffin Wax
Product Type	Paraffin wax, light grade
Chemical Family	Petroleum wax
CAS No.	8002-74-2
EC No.	232-315-6
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-paraffin-wax
SDS Revision	July 2026
SDS Version	3.1

SECTION 2 HAZARD IDENTIFICATION

Not classified as hazardous under GHS. Molten material causes thermal burns – handle with thermal PPE above melting point.

GHS Classification	Not classified as hazardous under GHS/CLP/OSHA HCS
Signal Word	Not classified
GHS Pictograms	No GHS pictogram (Not classified)



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HAZARD STATEMENTS

- None assigned — substance is not classified as hazardous under GHS. Thermal burn hazard exists when product is in molten state (above ~50°C); this is a physical hazard of handling, not a GHS classification trigger at supplier level.

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
Light Paraffin Wax	8002-74-2	2232-315-6	100	Not classified; molten material causes thermal burns

Percentages are by weight. 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. If symptoms persist, seek medical attention.
Skin Contact	For solid contact: remove contaminated clothing; wash affected skin thoroughly with soap and water. For molten wax contact (thermal burn): cool with cold running water for at least 10 minutes; do not remove solidified wax from skin; seek medical attention immediately.
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 unless directed by medical personnel. Seek medical advice.
Note to Physician	Treat symptomatically based on exposure route. Molten wax burns should be treated as thermal burns. No specific antidote.

SECTION 5 FIREFIGHTING MEASURES

Suitable Extinguishing Media	Foam, dry chemical powder, carbon dioxide (CO ₂) or water spray. Molten wax can burn; do not use solid water jet on burning melt.
Unsuitable Media	Direct high-pressure water jet — may spread molten burning material.
Specific Hazards	Combustible solid; molten paraffin wax is flammable. Dust or fine particulate may form combustible atmospheres. Containers may rupture when heated. Combustion produces carbon oxides and irritating fumes.
Protective Equipment	Wear full protective clothing and self-contained breathing apparatus (SCBA). Avoid breathing combustion gases.
Special Procedures	Evacuate non-essential personnel. Prevent contaminated fire-water run-off from entering drains and waterways. Cool exposed containers with water spray.



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SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear appropriate PPE (see Section 8). If molten spill: allow to solidify before attempting collection; risk of slipping on solidified wax. Eliminate ignition sources.
Environmental Precautions	Prevent entry into drains, sewers, soil and watercourses. Paraffin wax is not water-soluble but may block drains.
Containment / Clean-up	Collect solidified wax mechanically using non-sparking tools. Shovel into labelled containers for disposal through an approved waste contractor. Clean residual with absorbent material.
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 overheating above flash point. Keep away from ignition sources and strong oxidisers. Use appropriate thermal PPE when handling molten product. Prevent dust formation when processing solid wax.
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 in a cool, dry, well-ventilated area away from heat and ignition sources.
Storage Temperature	Ambient (solid form). If stored molten, maintain at minimum temperature required; avoid temperature excursions above flash point.
Incompatible Materials	Strong oxidising agents (nitric acid, chlorine, permanganates, peroxides). Avoid contact with concentrated acids and halogens.
Segregation	Segregate from food, drink, animal feed and incompatible chemicals.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limit	Light Paraffin Wax (CAS 8002-74-2): No universal OEL established. Use verified local OEL/STEL (OSHA / NIOSH / ACGIH / EU / India) if established; otherwise apply ALARA principle and good industrial hygiene practice. Supplier/regional OEL confirmation required.
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Engineering Controls	Use closed handling and local exhaust ventilation for dust, mist, vapour or aerosol. Use explosion-proof ventilation and grounding/bonding equipment where flammable vapours may be present.
Respiratory Protection	If ventilation is inadequate, use a NIOSH/EN-approved respirator fitted with organic vapour or P95/P100 particulate cartridge as applicable. Use SCBA for emergency situations.
Hand / Eye / Skin	Gloves: wear compatible chemical-resistant gloves (nitrile, butyl, neoprene, PVC or laminate); select breakthrough time appropriate for task. Thermal gloves required when handling molten product. Eye/Face: EN 166/ANSI Z87.1 chemical splash goggles; add face shield for molten or splash risk. Body: chemical-resistant clothing/apron and safety footwear; antistatic PPE where flammable vapours may occur.
Hygiene Measures	Provide eyewash and safety shower where molten wax is handled. Wash thoroughly after handling.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White to translucent waxy solid at ambient temperature; colourless to pale yellow liquid when molten.
Odour	Characteristic faint waxy / petroleum odour.
Odour Threshold	Not established.
pH	Not applicable (insoluble in water; non-aqueous substance).
Melting / Freezing Point	Approximately 46–68°C (typical for light paraffin wax grade; confirm exact congealing point from supplier COA / ASTM D938).
Boiling Point / Range	>300°C (typical for petroleum wax fractions; decomposes/distills rather than boiling sharply).
Flash Point	>180°C COC (Cleveland Open Cup, typical; verify from supplier specification — source document listed '>180°C' which is consistent with light paraffin wax flash point).
Auto-ignition Temperature	Not established; typically >250°C for paraffin wax grades.
Flammability Limits	Not established for solid/molten wax. Combustible solid; dust can form combustible mixtures.
Vapour Pressure	Negligible at ambient temperature (<0.01 hPa at 20°C, typical).
Vapour Density (air = 1)	Not established (negligible vapour at ambient).



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Relative Density	Approximately 0.88–0.91 at 15°C (typical for light paraffin wax; confirm from supplier COA).
Solubility in Water	Insoluble.
Log Pow (Partition Coeff.)	Not established for this UVCB petroleum substance; expected highly lipophilic.
Evaporation Rate	Negligible (solid at ambient temperature).
Viscosity	Approximately 3–7 cSt at 100°C (typical for light grade; verify from supplier viscosity specification).
VOC Content	Negligible (solid wax at ambient temperature; not classified as VOC under standard definitions).

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage and handling conditions.
Conditions to Avoid	Avoid heat above flash point, open flames, ignition sources, contamination and incompatible materials. Avoid generating fine 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 monoxide (CO), carbon dioxide (CO ₂) and irritating or toxic fumes/smoke may be formed in fire or on thermal decomposition above ~300°C.
Hazardous Reactions	Will not occur under normal storage and handling conditions when correctly stored away from incompatible materials and ignition sources.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	Low toxicity expected based on substance class. No LD ₅₀ data available for this UVCB grade; supplier/test confirmation required. Molten wax can cause thermal burns to the oral mucosa.
Acute Dermal Toxicity	Low toxicity expected. Solid wax is not a primary skin irritant under GHS; molten wax causes thermal burns. No LD ₅₀ data available.
Acute Inhalation Toxicity	Low vapour toxicity at ambient temperature. Dust or fumes at elevated temperature may cause respiratory irritation. No LC ₅₀ data



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available.

Skin Irritation	Not classified as a skin irritant under GHS for solid product. Molten wax contact causes thermal burn injury.
Eye Irritation	Not classified as an eye irritant under GHS. Molten wax splash causes serious thermal eye injury.
Sensitisation	Not known to be a skin or respiratory sensitiser.
Carcinogenicity	Fully refined (food-grade) paraffin wax is not classified as carcinogenic. Mildly and severely refined petroleum waxes are classified as IARC Group 1/2B (based on PAH content). Grade-specific PAH data from supplier required for definitive assessment.
Mutagenicity	Not classified as mutagenic. Endpoint-specific data requires supplier or test confirmation.

SECTION 12 ECOLOGICAL INFORMATION

Aquatic Toxicity	No acute or chronic aquatic classification identified from reviewed data. Paraffin wax is poorly water-soluble; ecotoxicity to aquatic organisms is considered low. Numeric ecotoxicity data not universally verified — avoid release to water bodies.
Persistence / Degradability	Not readily biodegradable under standard test conditions; petroleum wax is resistant to rapid biodegradation. Do not assume ready biodegradability.
Bioaccumulation	Potential for bioaccumulation exists due to high lipophilicity (high log Kow expected for petroleum wax). Verified log Kow / BCF data not established for this UVCB grade — obtain supplier ecotoxicity data if required for registration or export.
Mobility in Soil	Solid at ambient temperature; low mobility in soil. Melts at elevated temperature and may permeate porous surfaces. 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 applicable local, state and national regulations. Do not dispose of down drains or into water bodies.
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Contaminated Packaging	Empty containers may retain wax residues; handle as potentially hazardous until cleaned or formally disposed of through an approved contractor.
Indian Regulations	Follow applicable Hazardous and Other Wastes (Management and Transboundary Movement) Rules (India) and Pollution Control Board requirements. Assign waste code in accordance with local regulation and actual process.

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 dangerous goods	Not regulated — not dangerous goods	Not regulated — not dangerous goods
Class	Not regulated	Not regulated	Not regulated
Packing Group	Not regulated	Not regulated	Not regulated
Marine Pollutant	N/A	No	N/A

Light Paraffin Wax (CAS 8002-74-2) is not regulated as a dangerous good under ADR, IMDG or IATA for transport in solid form. Use approved compatible containers. Verify current carrier and country-specific requirements before each shipment. Tunnel restriction: None (ADR). EmS (IMDG): Not applicable.

SECTION 15 REGULATORY INFORMATION

EU / REACH / CLP	Classified and labelled in accordance with the product-specific GHS/CLP classification listed in Section 2. REACH registration obligation rests with EU importer/manufacturer. Observe REACH and CLP requirements where applicable.
OSHA (USA)	Prepared in OSHA HCS/HazCom 2012 aligned 16-section SDS format. Verify TSCA inventory / SNUR status before US import or distribution; UVCB/mixture status may require supplier confirmation.
India	Observe applicable Manufacture, Storage and Import of Hazardous Chemical (MSIHC) Rules, Factories Act requirements, workplace OELs, storage, transport, pollution-control and hazardous-waste regulations.
Other Jurisdictions	Canada WHMIS 2015 / HPR: Classify and label using Section 2 classification; Canadian sale may require bilingual SDS/label and ingredient disclosure. China GB Standards: use applicable GB/T SDS



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and classification requirements where marketed. Australia AICS:
check inventory status before import. Final market placement
requires confirmation of local OELs, transport class, waste code and
applicable 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

- No H-statements assigned — Light Paraffin Wax (CAS 8002-74-2) is not classified as hazardous under GHS at the supplier level. Thermal burn hazard from molten product is a physical handling hazard, not a GHS classification endpoint for this substance.