

SAFETY DATA SHEET

PARAFFIN WAX

CAS No.: 8002-74-2

This Safety Data Sheet is compiled from well-established published chemical, GHS classification and regulatory reference sources for this substance. It is supplied by Suraj Chemicals as the distributor/supplier of record and is not a manufacturer-issued document. Users should also consult the specific manufacturer's SDS where available.

1. IDENTIFICATION

Product Name	Paraffin Wax
CAS Number	8002-74-2
Recommended Use	Industrial / commercial chemical trading and distribution
Supplier	Suraj Chemicals, No 92, Govindappa Naicken Street, Shiva Complex, Chennai - 600001, India
Emergency Telephone	+91 - 9840284032, 9176135357 / +91 - 44 - 25393652

2. HAZARD(S) IDENTIFICATION

GHS Signal Word	Not classified
HAZARD CLASSIFICATION	None assigned
HAZARD STATEMENTS	None assigned
PRECAUTIONARY STATEMENTS	None assigned

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Paraffin Wax
CAS Number	8002-74-2
Physical State	Solid
Appearance / Odour	White to off-white, odorless (or very mild waxy odor) solid, available as slabs, flakes, granules, or molten liquid at elevated temperature.

4. FIRST-AID MEASURES

Eye Contact	Rinse cautiously with water for several minutes if dust or molten splash causes irritation; seek medical attention if irritation persists or in case of thermal burn from molten wax.
Skin Contact	For molten wax contact, cool the affected area with water immediately (do not attempt to peel off adhered wax) and seek medical attention for burns; for solid/dust contact, wash off with water.
Inhalation	Remove to fresh air; if fume/mist from heated wax or dust causes irritation, seek medical attention.
Ingestion	Not expected to be harmful in small amounts; rinse mouth with water; seek medical advice if large amounts are ingested or discomfort occurs.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Dry chemical, carbon dioxide, foam, or water spray/fog; for large pool/tank fires of molten wax, use foam or dry chemical rather than a direct water stream.
Unsuitable Extinguishing Media	Avoid a direct water jet onto burning molten wax, which can cause violent boil-over/splattering similar to a grease fire.
Special Hazards	Combustible solid; molten wax presents a fire hazard similar to a hot oil/grease fire and a thermal burn hazard; finely dispersed wax dust or fume from overheated molten wax can be flammable; combustion produces carbon monoxide and carbon dioxide.

6. ACCIDENTAL RELEASE MEASURES

Measures	Allow molten spills to cool and solidify before collection where safe to do so, or contain with inert absorbent; sweep up solid material; floors may become slippery.
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7. HANDLING AND STORAGE

Handling Precautions	Use appropriate heat-resistant PPE when handling molten wax to prevent thermal burns, provide adequate ventilation when heating to control fume/mist, and avoid overheating beyond the flash point.
Storage Conditions	Store in a cool, dry area away from open flame and strong oxidizers; molten product requires heated, insulated storage/transfer systems maintained below the flash point with adequate temperature control.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits / PPE	OSHA PEL / ACGIH TLV for paraffin wax fume commonly cited around 2 mg/m3 TWA; use heat-resistant gloves for molten handling, safety glasses, and a dust mask when handling solid material that generates dust.
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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid
Appearance / Odour	White to off-white, odorless (or very mild waxy odor) solid, available as slabs, flakes, granules, or molten liquid at elevated temperature.
Boiling Point	Not applicable (decomposes before boiling; distillation range if heated far above melting point can exceed 300 C)
Melting Point	~46-68 C depending on grade (fully refined food/pharma grades typically 50-60 C)
Flash Point	~199-240 C (varies by grade; relevant primarily to molten handling)
Density / Specific Gravity	~0.88-0.92 g/cm3 (solid, 20 C); ~0.77-0.80 g/cm3 molten
Water Solubility	Practically insoluble in water
pH Value	Not applicable (non-aqueous hydrocarbon solid)

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions of storage and use.
Incompatible Materials	Strong oxidizing agents; avoid open flame near molten or heated wax.
Hazardous Decomposition	Carbon monoxide and carbon dioxide on combustion; acrolein and other irritating fume components possible if wax is significantly overheated or burned.

11. TOXICOLOGICAL INFORMATION

Summary	Essentially non-toxic and of very low acute hazard; food/pharmaceutical/cosmetic grades are widely used in candles, coatings, food packaging and personal care products; primary hazards in practice are thermal burns from molten material and fume/mist irritation from overheating rather than inherent chemical toxicity; not classified as a carcinogen, mutagen or reproductive toxicant.
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12. ECOLOGICAL INFORMATION

Summary	Not classified as hazardous to the environment; inert, insoluble and of very low aquatic toxicity; not readily biodegradable but also not considered bioaccumulative or ecotoxic at typical exposure levels.
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13. DISPOSAL CONSIDERATIONS

Disposal Method	Dispose of via landfill or incineration in accordance with local regulations; not a hazardous waste; solid wax can often be recycled/reprocessed.
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14. TRANSPORT INFORMATION

UN Number	Not regulated for transport (solid form)
Transport Hazard Class	Not regulated
Packing Group	Not applicable

15. REGULATORY INFORMATION

Notes	Food/pharmaceutical-grade material should meet FCC/IP/BP/USP or applicable food-contact regulations; not classified as hazardous under GHS, OSHA HCS or EU CLP; primary practical hazard is thermal burn risk from molten-temperature handling, addressed through standard hot-liquid handling precautions rather than chemical hazard classification.
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16. OTHER INFORMATION

Prepared By	Suraj Chemicals, Technical / QA Desk
Date of Issue	29 Sep 2026
Note	This SDS is compiled from well-established published GHS hazard classification data and general chemical reference sources for this substance, in the standard 16-section format. Values are believed accurate but Suraj Chemicals makes no warranty, express or implied, regarding their completeness. Users should evaluate suitability for their own specific use.

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