

PETROLEUM JELLY (WHITE/YELLOW VASELINE)

Date of compilation: 04-08-2026 | Revised: 04-08-2026 | Version: 1

SECTION 1: IDENTIFICATION

1.1 GHS Product identifier:
PETROLEUM JELLY (WHITE/YELLOW VASELINE)
Synonyms: Petrolatum, White Petrolatum, Yellow Petrolatum, Soft Paraffin, Vaseline
CAS: 8009-03-8

Other means of identification:
Not relevant

1.2 Recommended use of the chemical and restrictions on use:
Relevant uses: Lubricant and rust-preventive coating, pharmaceutical ointment/cream base, cosmetic raw material, textile and leather finishing aid, general industrial sealant/release agent. For industrial user only.
Uses advised against: All uses not specified in this section or in section 7.3.

1.3 Supplier's details:
SURAJ CHEMICALS
No 92, Govindappa Naicken Street, Shiva Complex, Chennai – 600001, Tamil Nadu, India
Tel: +91 - 7092722822, +91 - 9840284032 / +91 - 44 - 25393652, 42130281
Email: sales@surajchemicals.com | Website: www.surajchemicals.com
GST No: 33ACEPV8190L1ZZ

1.4 Emergency phone number:
Emergency Contact No: +91 - 7092722822, +91 - 9840284032

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:
GHS:
Classification of this product has been carried out in accordance with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS). Based on available data, petroleum jelly of pharmacopoeial/cosmetic grade (fully refined, low in polycyclic aromatic content) does not meet the classification criteria for any physical, health or environmental hazard class.

Not classified	This substance/mixture does not meet the criteria for classification under GHS, based on available data.
----------------	--

2.2 GHS label elements, including precautionary statements:
GHS: No signal word / pictogram required

Hazard statements:
None assigned.

Precautionary statements:
P280: Wear protective gloves/eye protection where repeated or prolonged skin contact is expected.
P501: Dispose of contents/container in accordance with local regulations.

2.3 Other hazards which do not result in classification:
Molten/heated product can cause thermal burns. Fine mists or heated vapours may cause mild respiratory irritation. Does not meet the criteria for PBT or vPvB.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances:
Chemical description: A purified mixture of semi-solid saturated hydrocarbons (paraffinic/microcrystalline wax and mineral oil), obtained from petroleum refining.
In accordance with Annex 4.3.3 of the GHS, the product contains:

Identification	Chemical Name / Classification	Concentration
CAS: 8009-03-8	Petrolatum (Petroleum Jelly) — Not classified	≥99%

To obtain more information on the hazards of the substances, consult sections 11, 12 and 16.

3.2 Mixtures:
Non-applicable – single substance product.

SECTION 4: FIRST AID MEASURES

4.1 Description of necessary first-aid measures:
Generally regarded as non-hazardous under normal conditions of use. If discomfort occurs, seek medical advice showing this SDS.

By inhalation:
Not a normal route of exposure at ambient temperature. If heated vapour/fume is inhaled and irritation occurs, remove to fresh air.

By skin contact:
No action normally required. If molten product contacts skin, cool rapidly with water; do not peel off adhered solidified product – seek medical attention for burns.

By eye contact:
Rinse with plenty of water for a few minutes. Remove contact lenses if present and easy to do. If irritation persists, seek medical advice.

By ingestion/aspiration:
Rinse mouth with water. Not expected to require first aid in small quantities. Seek medical advice if large quantities are swallowed or if discomfort occurs.

4.2 Most important symptoms/effects, acute and delayed:
No significant acute or delayed effects expected under normal use. See section 11.

4.3 Indication of immediate medical attention and special treatment needed, if necessary:
Not relevant

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media:
Suitable: Water spray/fog, foam, dry chemical powder, carbon dioxide.

- Unsuitable:** High-pressure water jet (may splash burning material).
- 5.2 Specific hazards arising from the chemical:**
Combustible solid; will burn if directly exposed to an ignition source at elevated temperature. On combustion may emit dense black smoke and oxides of carbon.
- 5.3 Special protective actions for fire-fighters:**
Evacuate non-essential personnel. Use self-contained breathing apparatus and full protective clothing in enclosed or confined spaces. Cool exposed containers with water spray.
- Additional provisions:**
Contain fire-fighting water run-off; avoid discharge to drains/watercourses.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures:**
For non-emergency personnel:
Avoid slipping on spilled material. Use PPE as per section 8.
- For emergency responders:**
No special equipment required beyond standard PPE; floors become slippery.
- 6.2 Environmental precautions:**
Prevent large spills from entering drains, watercourses or soil. Not acutely dangerous to the environment but should not be discharged in quantity.
- 6.3 Methods and materials for containment and cleaning up:**
Scrape up/absorb with inert absorbent material (sand, earth) and place in a labelled container for disposal. Clean surfaces with hot water and detergent.
- 6.4 Reference to other sections:**
See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

- 7.1 Precautions for safe handling:**
A. General precautions for safe use:
Avoid unnecessary heating above processing temperature. Keep away from strong oxidisers.
- B. Technical recommendations for the prevention of fires and explosions:**
Keep away from open flames and sources of ignition when molten/heated for processing.
- C. Technical recommendations on general occupational hygiene:**
Wash hands after handling. Avoid prolonged, repeated skin contact as a matter of good industrial hygiene.
- D. Technical recommendations to prevent environmental risks:**
Avoid release to drains and watercourses.
- 7.2 Conditions for safe storage, including any incompatibilities:**
A. Specific storage requirements:
- | | |
|---------------|--|
| Storage Temp. | Below 40°C, away from direct sunlight |
| Maximum time | 24 Months in original closed container |
- B. General conditions for storage:**
Store in a cool, dry, well-ventilated place away from strong oxidising agents and direct heat sources. Keep containers closed when not in use.
- 7.3 Specific end use(s):**
Except for the instructions already specified, it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 Control parameters:**
No specific occupational exposure limit has been established for petroleum jelly under the Factories Act, 1948, as amended. General guidance for oil mist (mineral) may be referred to where applicable:

Identification	Occupational Exposure Limit Type	Value
Mineral oil mist (reference, general)	Time Weighted average concentration (8 hrs)	5 mg/m³

- 8.2 Appropriate engineering controls:**
General ventilation is normally adequate. Local exhaust ventilation recommended where product is heated/processed, to control mist/fume.
- B. Respiratory protection:**
Not normally required at ambient temperature. Use a particulate/organic vapour mask where mist or fume is generated by heating.
- C. Specific protection for the hands:**
Protective gloves recommended for prolonged or repeated contact (nitrile or PVC).
- D. Eye and face protection:**
Safety glasses recommended when handling heated/molten product.
- E. Bodily protection:**
Standard industrial workwear; heat-resistant apron and gloves when handling molten product.
- F. Additional emergency measures:**
Eyewash station recommended in processing areas.
- Environmental exposure controls:**
Avoid environmental spillage of both the product and its container.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Information on basic physical and chemical properties:**

Appearance	
Physical state at 20°C	Soft solid / semi-solid unctuous mass
Appearance	White or pale yellow to amber, translucent, unctuous mass
Color	White / Yellow (grade dependent)
Odor	Odorless to faint characteristic petroleum odor
Odour threshold	Not established
Volatility	
Boiling point at atmospheric pressure	>300°C (decomposes before boiling)
Vapour pressure at 20°C	Negligible (<0.01 mmHg)
Evaporation rate at 20°C	Negligible

Product Description	
Density / Relative density at 15°C	0.815 – 0.880 g/cm³
Dynamic / Kinematic viscosity	Typical value — refer to current specification sheet
pH	Non-applicable (water-insoluble, non-aqueous)
Partition coefficient n-octanol/water	>6 (log Pow, estimated)
Solubility in water at 20°C	Insoluble
Melting point/congealing point	38 – 60°C (grade dependent)
Flammability	
Flash Point	>200°C (Cleveland Open Cup, typical ≥220°C)
Flammability (solid, gas)	Not classified as a flammable solid
Autoignition temperature	Typical value — refer to current specification sheet
Lower / Upper flammability limit	Not established
Particle Characteristics	
Median equivalent diameter	Non-applicable (semi-solid)

9.2 Other information:

Explosive properties	Not relevant
Oxidising properties	Not relevant
Corrosive to metals	Non-corrosive
Heat of combustion	Typical value — refer to current specification sheet

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

Not reactive under normal conditions of storage and use. May react with strong oxidising agents.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions are not expected.

10.4 Conditions to avoid:

Shock/Friction	Contact with Air	Increase in Temperature	Sunlight	Humidity
Not applicable	Not applicable	Avoid prolonged heating/open flame	Avoid prolonged direct exposure	No special measures

10.5 Incompatible materials:

Strong Oxidisers	Strong Acids/Alkalis
Avoid contact	No significant reaction expected under normal conditions

10.6 Hazardous decomposition products:

On combustion: carbon monoxide, carbon dioxide and dense smoke. No hazardous decomposition under normal storage.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

Petroleum jelly (fully refined, pharmacopoeial/cosmetic grade) is widely used topically in pharmaceutical and cosmetic products and is regarded as having very low acute and chronic toxicity.

A. Ingestion (acute effect):

Practically non-toxic; may act as a mild laxative in large quantities.

B. Inhalation (acute effect):

Not a normal route of exposure; heated mist may cause mild irritation.

C. Contact with skin and eyes (acute effect):

Non-irritating under normal conditions of use; widely used as a skin emollient.

D. CMR effects (carcinogenicity, mutagenicity, reproductive toxicity):

Classification criteria are not met for refined, low-aromatic grades used in this product. IARC: Not classified.

E. Sensitizing effects:

Not known to be a skin or respiratory sensitiser.

F/G. Specific target organ toxicity (STOT):

Classification criteria are not met based on available data.

H. Aspiration hazard:

Classification criteria are not met based on available data.

Product-specific toxicological information:

Identification	Acute Toxicity	Genus
Petrolatum CAS: 8009-03-8	LD50 oral: >5000 mg/kg	Rat
	LD50 dermal: >2000 mg/kg	Rabbit

SECTION 12: ECOLOGICAL INFORMATION

Not classified as hazardous to the aquatic environment.

12.1 Toxicity:

Acute Toxicity	Species	Genus
LL/EL50 >100 mg/L (practically non-toxic)	Typical value — refer to current specification sheet	Fish / Crustacean

12.2 Persistence and degradability:

Inherently biodegrades slowly; not readily biodegradable under standard test conditions but not persistent in a manner causing significant environmental concern at normal use levels.

12.3 Bioaccumulative potential:

High log Pow suggests potential for bioaccumulation; however, low water solubility limits bioavailability.

12.4 Mobility in soil:

Koc	Henry	Dry Soil	Moist Soil
High (strongly adsorbs to soil)	Low	Low mobility	Low mobility

12.5 Results of PBT and vPvB assessment:

Does not meet PBT/vPvB criteria.

12.6 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Disposal methods:

Dispose of as general industrial solid waste or via an authorised waste contractor in accordance with local regulations. Do not discharge to drains or watercourses. Empty containers may be recycled after cleaning, subject to local regulations.

Refer to national and local regulations on waste management.

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land (ADR 2023 / RID 2023):

14.1 UN number	Not assigned – non-hazardous for transport
14.2 UN proper shipping name	Non-applicable
14.3 Transport hazard class(es)	Non-applicable
14.4 Packing group	Non-applicable
14.5 Environmental hazard	No
14.6 Special precautions for user	Non-applicable
14.7 Transport in bulk (Annex II MARPOL 73/78, IBC Code)	Not relevant

Transport of dangerous goods by sea (IMDG 41-22):

14.1 UN number	Not assigned – non-hazardous for transport
14.2 UN proper shipping name	Non-applicable
14.3 Transport hazard class(es)	Non-applicable
14.4 Packing group	Non-applicable
14.5 Marine pollutant	No
14.6 Special precautions for user	Non-applicable
14.7 Transport in bulk (Annex II MARPOL 73/78, IBC Code)	Not relevant

Transport of dangerous goods by air (IATA/ICAO 2024):

14.1 UN number	Not assigned – non-hazardous for transport
14.2 UN proper shipping name	Non-applicable
14.3 Transport hazard class(es)	Non-applicable
14.4 Packing group	Non-applicable
14.5 Environmental hazard	No
14.6 Special precautions for user	Non-applicable
14.7 Transport in bulk (Annex II MARPOL 73/78, IBC Code)	Not relevant

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations specific for the product in question:

It is recommended to use the information included in this safety data sheet as data used in a risk evaluation of local circumstances, in order to establish the necessary risk prevention measures for the manipulation, use, storage and disposal of this product. Petroleum jelly used for pharmaceutical/cosmetic purposes should additionally conform to the applicable pharmacopoeial (IP/BP/USP) or cosmetic-grade specification.

Other legislation:

Manufacture, Storage and Import of Hazardous Chemicals Rules 1989
The Factories Act, 1948 (Act No. 63 of 1948), as amended by the Factories (Amendment) Act, 1987 (Act 20 of 1987)

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with Annex 4 – Guidance on the preparation of Safety Data Sheets of the Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

Texts of the legislative phrases mentioned in sections 2 and 3:

Not classified – no hazard statements assigned.

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3.

Advice related to training:

Minimal training is recommended to prevent industrial risks for staff using this product, in order to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

The United Nations Economic Commission for Europe (UNECE); publicly available GHS classification and physical-constant references for CAS 8009-03-8.

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road | IMDG: International maritime dangerous goods code | IATA: International Air Transport Association | ICAO: International Civil Aviation Organisation | LD50: Lethal Dose 50 | Log-POW: Octanol-water partition coefficient | Koc: Partition coefficient of organic carbon | IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product; it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within Suraj Chemicals' awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

END OF SAFETY DATA SHEET