

Material Safety Data Sheet (MSDS)

Product Name: Petroleum Jelly

CAS Number: 8009-03-8

1. Chemical Product and Company Identification

- **Product Name:** Petroleum Jelly
 - **Synonyms:** Petrolatum, White Petrolatum
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2. Composition / Information on Ingredients

Component	CAS Number	Percentage
Petroleum Jelly	8009-03-8	100%

3. Hazards Identification

- **Emergency Overview:** Non-toxic, non-irritating under normal conditions.
 - **Routes of Entry:** Inhalation (if mist), skin contact, ingestion (unlikely).
 - **Health Hazards:** Prolonged skin contact may cause mild irritation in sensitive individuals.
 - **Classification:** Not classified as hazardous according to OSHA or GHS.
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4. First-Aid Measures

- **Eye Contact:** Rinse with water if irritation occurs.
 - **Skin Contact:** Wash with soap and water if irritation develops.
 - **Inhalation:** Move to fresh air if mist is inhaled.
 - **Ingestion:** Non-toxic in small amounts; seek medical advice if large quantity is swallowed.
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5. Fire-Fighting Measures

- **Flash Point:** > 182°C (360°F)
- **Extinguishing Media:** Dry chemical, foam, CO₂, water spray
- **Hazards:** May produce irritating fumes in fire.
- **Protective Equipment:** Firefighters should wear self-contained breathing apparatus.

6. Accidental Release Measures

- **Spill Cleanup:** Absorb with inert material (e.g., sand), place in suitable container.
 - **Environmental Precautions:** Prevent entry into drains or waterways.
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7. Handling and Storage

- **Handling:** Avoid contact with eyes; use with adequate ventilation.
 - **Storage:** Store in a cool, dry place away from heat and open flame.
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8. Exposure Controls / Personal Protection

- **Engineering Controls:** Normal ventilation.
 - **Personal Protection:**
 - Eye: Safety glasses if splashing is likely
 - Skin: Gloves (optional)
 - Respiratory: Not usually required
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9. Physical and Chemical Properties

- **Appearance:** White or yellow semi-solid
 - **Odor:** Odorless or slight hydrocarbon smell
 - **Melting Point:** 37–60°C
 - **Solubility:** Insoluble in water
 - **Density:** ~0.82–0.87 g/cm³
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10. Stability and Reactivity

- **Stability:** Stable under normal conditions
 - **Conditions to Avoid:** Heat, sparks, open flame
 - **Incompatibility:** Strong oxidizers
 - **Hazardous Decomposition:** CO, CO₂ under fire
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11. Toxicological Information

- **Acute Toxicity:** Low toxicity
 - **Skin/Eye Irritation:** Mild, if any
 - **Carcinogenicity:** Not classified as a carcinogen
 - **Chronic Effects:** None known
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12. Ecological Information

- **Environmental Impact:** Not expected to be harmful
 - **Biodegradability:** Slowly biodegradable
 - **Mobility:** Low in soil
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13. Disposal Considerations

- **Waste Disposal:** Dispose of in accordance with local, regional, and national regulations.
 - **Container Disposal:** Empty containers may be recycled or disposed of as non-hazardous waste.
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