



Material Safety Data Sheet (MSDS): Petroleum Jelly

Section 1: Product and Company Identification

- **Product Name:** Petroleum Jelly
- **Trade Name:** Vaseline Original Grade / Healing Jelly
- **Recommended Use:** Cosmetic base, pharmaceutical ointment, skin protectant, and industrial lubricant.
- **Supplier:** Basekim

Section 2: Hazard Identification

- **GHS Classification:** Not classified as hazardous according to OSHA Hazard Communication Standard (29 CFR 1910.1200) or EU Regulation (EC) No. 1272/2008.
- **Physical Hazards:** None known. The material is stable and non-reactive.
- **Health Hazards:** Non-irritating to the skin. May cause mild eye irritation upon direct contact.
- **Environmental Hazards:** Not classified as dangerous for the environment.

Section 3: Composition and Ingredient Information

- **Chemical Name:** Petrolatum (Petroleum Jelly)
- **CAS Number:** 8009-03-8
- **Purity:** 100% **pure petroleum jelly.**
- **Description:** A semi-solid mixture of hydrocarbons obtained from petroleum, highly refined to remove all impurities.

Section 4: First Aid Measures

- **Eye Contact:** Flush eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.
- **Skin Contact:** **Pure petroleum jelly** is intended for skin use. Wash with soap and water only if the skin requires cleaning for other medical reasons.
- **Inhalation:** Inhalation is unlikely at room temperature. If exposed to fumes from overheated product, move the person to fresh air.
- **Ingestion:** Do not induce vomiting. Obtain medical attention if large amounts are swallowed.



Section 5: Fire-Fighting Measures

- **Extinguishing Media:** Use dry chemical, foam, or Carbon Dioxide (CO₂). **Do not use a direct water jet**, as it may spread the fire.
- **Specific Hazards:** High temperatures may produce irritating smoke and carbon monoxide.
- **Protective Equipment:** Firefighters must wear self-contained breathing apparatus (SCBA) and full protective gear.

Section 6: Accidental Release Measures

- **Personal Precautions:** Slippery when spilled. Wear appropriate protective clothing and non-slip footwear.
- **Environmental Precautions:** Prevent the material from entering drains or watercourses.
- **Cleanup Procedures:** Soak up small spills with sand or oil-absorbing granules. For large spills, allow the material to solidify and shovel it into secure containers for disposal.

Section 7: Handling and Storage

- **Handling:** Avoid heating the product above its flash point. Practice good industrial hygiene.
- **Storage:** Store in a cool, dry area. Keep the container tightly closed to maintain the quality of the **skin protectant jelly**.
- **Incompatibilities:** Keep away from strong oxidizing agents like chlorine or concentrated oxygen.

Section 8: Exposure Controls and Personal Protection

- **Exposure Limits:** No specific limits established for petrolatum. (Oil mist TLV: 5 mg/m³).
- **Engineering Controls:** Ensure adequate ventilation, especially in manufacturing areas where the product is heated.
- **Eye Protection:** Wear safety glasses if splashing is likely during the manufacturing of **moisturizing petroleum jelly**.
- **Skin Protection:** No special protection required for brief contact. Use oil-resistant gloves for prolonged industrial handling.



Section 9: Physical and Chemical Properties

- **Physical State:** Semi-solid (Ointment)
- **Color:** White (Snow White Grade)
- **Odor:** Odorless
- **Melting Point:** 50°C – 60°C (122°F – 140°F)
- **Flash Point:** >200°C (392°F)
- **Solubility:** Insoluble in water; soluble in oil and organic solvents.

Section 10: Stability and Reactivity

- **Reactivity:** Stable under normal conditions.
- **Chemical Stability:** Highly stable; does not decompose at room temperature.
- **Hazardous Reactions:** Will not occur.
- **Conditions to Avoid:** Extreme heat, sparks, and open flames.

Section 11: Toxicological Information

- **Acute Toxicity:** Non-toxic. LD50 (Oral, Rat) > 5000 mg/kg.
- **Skin Irritation:** Non-irritant. Classified as safe for **Vaseline skincare** applications.
- **Sensitization:** Does not cause allergic skin reactions.
- **Carcinogenicity:** Highly refined **white petroleum jelly** is not classified as a carcinogen by IARC or NTP.

Section 12: Ecological Information

- **Ecotoxicity:** No known toxicity to aquatic life.
- **Mobility:** Low mobility in soil due to its semi-solid nature.
- **Persistence:** Not readily biodegradable; persistent but non-bioaccumulative.

Section 13: Disposal Considerations

- **Waste Disposal:** Dispose of in accordance with local, state, and federal regulations.
- **Contaminated Packaging:** Treat empty containers as hazardous waste if they contain residues. Recycle where facilities exist.



Section 14: Transport Information

- **DOT (US):** Not regulated.
- **IMDG (Sea):** Not regulated.
- **IATA (Air):** Not regulated.
- **Note:** Not classified as dangerous goods for transport.

Section 15: Regulatory Information

- **TSCA:** All components are listed on the TSCA Inventory.
- **FDA:** Complies with 21 CFR 172.880 for direct food contact and 21 CFR 178.3700 for indirect contact.
- **REACH:** Complies with EU REACH registration requirements.

Section 16: Other Information

- **Revision Date:** May 2026
- **Disclaimer:** This MSDS provides information sourced from a professional **petroleum jelly manufacturer**. While we believe the data is accurate, we offer no warranty regarding its completeness. Users should conduct their own tests to determine the suitability of the product for their specific **petroleum jelly uses**.