



## Technical Data Sheet (TDS): White Petroleum Jelly (Snow White Grade)

**Product Name:** White Petroleum Jelly / Soft Paraffin

**Brand Reference:** Vaseline Original Grade / USP-BP Grade

**CAS Number:** 8009-03-8

**EINECS Number:** 232-373-2

### 1. Product Description

**White petroleum jelly** is a purified mixture of semi-solid hydrocarbons obtained from petroleum. This product undergoes a rigorous triple-refining process, including hydro-treatment and clay filtration, to achieve a high state of purity, making it odorless, tasteless, and hypoallergenic. It is specifically designed for use as a **skin protectant jelly** and a foundational base in **Vaseline skincare** formulations.

As a leading **petroleum jelly manufacturer** standard, this material meets the requirements of the United States Pharmacopeia (USP), British Pharmacopeia (BP), and European Pharmacopeia (EP).



## 2. Technical Specifications (Physical & Chemical Properties)

The following table outlines the standard parameters for premium **pure petroleum jelly**. These values ensure consistency for industrial buyers and cosmetic formulators.

Property	Test Method	Specification Limits	Typical Value
Appearance	Visual	Smooth, bright white ointment	Passes
Color (Saybolt)	ASTM D156	+25 min	+30
Odor	Olfactory	Odorless	Complies
Cone Penetration (25°C)	ASTM D937	130 – 210 (0.1 mm)	165
Drop Melting Point	ASTM D127	50°C – 60°C	54°C
Kinematic Viscosity (100°C)	ASTM D445	5.0 – 10.0 cSt	7.5 cSt
Flash Point (COC)	ASTM D92	200°C min	220°C
Specific Gravity (25°C)	ASTM D1298	0.815 – 0.880	0.840
Acidity / Alkalinity	BP / USP	Neutral to litmus	Passes
Sulfated Ash	BP / USP	< 0.1%	0.02%
Polycyclic Aromatics	UV Absorbance	Meets USP/BP limits	Complies

## 3. Key Applications and Petroleum Jelly Uses

The versatility of **petroleum jelly** allows it to be utilized across various commercial and industrial sectors. Below is a detailed breakdown of its functional roles.

### 3.1. Pharmaceutical & Cosmetic Industry

In the realm of **Vaseline skincare**, this product serves as the primary **petroleum jelly moisturizer**.

- **Ointment Base:** Acts as a carrier for active pharmaceutical ingredients (APIs).
- **Moisturizing Petroleum Jelly:** Used in lotions, creams, and lip balms to provide an occlusive barrier.
- **Healing Jelly:** Essential for wound care dressings to maintain a moist healing environment.



### 3.2. Personal Care

Consumers frequently **buy petroleum jelly** for direct application:

- **Vaseline for dry skin:** Relieves cracked heels, elbows, and hands.
- **Hair Care:** Used in pomades to provide shine and hold.
- **Baby Care:** Serves as a preventative barrier against diaper rash.

### 3.3. Industrial and Food Grade Applications

- **Lubrication:** Ideal for food-processing machinery where incidental food contact may occur (H1 grade).
- **Release Agent:** Used in molds and as a coating for sensitive metal parts to prevent oxidation.
- **Bulk Supply:** For large-scale manufacturing, **Basekim** stands as a reliable **bulk petroleum jelly supplier**, providing consistent grades for industrial rust prevention and leather conditioning.

## 4. Manufacturing Standards and Refining Process

To maintain the status of a top-tier **petroleum jelly manufacturer**, the refining process must be meticulous.

1. **Distillation:** Raw petroleum feedstock is distilled to isolate heavy hydrocarbon fractions.
2. **De-waxing:** Wax components are managed to achieve the desired **healing jelly** consistency and melting point.
3. **Hydrogenation/Filtration:** This is the most critical stage where the jelly is passed through high-pressure catalytic hydro-treaters and activated clay filters. This removes all color-forming bodies and impurities, resulting in the "Snow White" clarity of **Vaseline original**.



## 5. Storage, Handling, and Packaging

### 5.1. Packaging Options

- **Consumer Grade:** 50g, 100g, 250g, and 500g jars.
- **Industrial/Bulk:** 170kg to 190kg new steel or plastic drums, and 800kg to 1000kg IBC tanks.

### 5.2. Storage Conditions

- Store in a cool, dry, and well-ventilated area.
- Keep containers tightly closed to prevent contamination.
- Avoid exposure to direct sunlight or extreme heat sources, as this can affect the **petroleum jelly price** value by causing oil separation (syneresis).
- **Shelf Life:** 36 months from the date of manufacture when stored correctly.

## 6. Safety and Regulatory Information

- **Toxicity: Pure petroleum jelly** is considered non-toxic and non-irritating.
- **Environment:** It is not readily biodegradable but is not considered an environmental hazard under normal use conditions.
- **Flammability:** It is combustible but not flammable. In case of fire, use CO<sub>2</sub>, dry chemical, or foam extinguishers.
- **Regulatory Compliance:** Meets FDA 21 CFR 172.880 and 178.3700 for food-grade applications and USP/BP/EP for medical use.

## 8. Summary for Procurement

When you choose to **buy petroleum jelly** for your business, verify that the **bulk petroleum jelly supplier** provides a full Certificate of Analysis (COA) matching the specifications in this TDS. Premium **Vaseline original** quality ensures that your end-users receive the full **petroleum jelly benefits**, from superior hydration to essential **skin protectant jelly** features.

For high-volume inquiries and competitive **petroleum jelly price** quotes, ensure your manufacturer adheres to the strict ISO and GMP standards outlined in this technical data sheet.