# Technical Data Sheet

## Petrolatum Jelly White

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| **Product** | Petrolatum Jelly White | **INCI** | Petrolatum |
| | | **CAS No.** | 8009-03-8 |
| **Revision** | 02 October 2026 | **Version** | 1.0 |

Petrolatum Jelly White is a highly refined, white semi-solid hydrocarbon blend used as an occlusive emollient and consistency agent in cosmetic and personal-care formulations.

## Product identification

| Item | Information |
|---|---|
| Trade name | Petrolatum Jelly White |
| Supplier | COSMER |
| INCI | Petrolatum |
| CAS | 8009-03-8 |
| EC | 232-373-2 |
| Chemical description | Highly refined semi-solid mixture of saturated hydrocarbons |
| Origin | Mineral |

## Key functions

- Forms an occlusive film that helps reduce moisture loss from the skin.
- Provides emollience, glide and a protective skin feel.
- Builds body and modifies consistency in anhydrous and emulsion systems.
- Acts as an ointment and balm base and supports water-repellent formulations.

## Technical specification

| Parameter | Specification | Method or note |
|---|---|---|
| Appearance | White homogeneous semi-solid jelly | Visual |
| Odour | Odourless or practically odourless | Organoleptic |
| Congealing point | 50–60 °C | Manufacturer product-family specification |
| Penetration | 90–160 mm/5 seconds | Manufacturer product-family specification |
| Water solubility | Insoluble | General property |
| pH | Not applicable | Anhydrous hydrocarbon material |

The original COSMER or manufacturer certificate of analysis takes precedence for batch release and may include additional test methods or tighter limits.

## Formulation guidance

| Topic | Guidance |
|---|---|
| Typical applications | Balms, salves, ointments, barrier products, lip care, body care, creams and protective formulations |
| Recommended use level | Typically 1–100%, depending on product type, sensory target and regulatory assessment |
| Phase | Oil phase |
| Processing | Warm gently until fully softened or molten, then combine with compatible oil-phase materials. Avoid unnecessary prolonged heating. |
| Compatibility | Compatible with many cosmetic oils, waxes and oil-soluble ingredients. Insoluble in water. |
| Formulation note | High levels increase occlusivity, richness and structure. Confirm packaging compatibility and finished-product stability. |

## Storage and shelf life

Store in the original tightly closed container in a cool, dry place, protected from direct sunlight, excessive heat, strong oxidising agents and contamination. Shelf life must follow the supplier’s batch documentation; no product-specific expiry period is assigned in this data sheet.

## Regulatory and quality notes

- For EU cosmetic use, the full refining history must be known and must demonstrate that the source substance is not carcinogenic.
- Cosmetic, pharmacopoeial, vegan, halal, non-GMO or other status claims require current supplier declarations for this exact grade.
- This technical data sheet does not replace the safety data sheet, batch certificate of analysis or finished-product safety assessment.

## Distributor

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