

PARAFLUID

Superior Base Products for Pharma and Cosmetics



MOVING YOUR WORLD



PARAFLUID for the Pharmaceutical and Cosmetics Industries



The **PARAFLUID** brand stands for high-quality white oils, petroleum jellies and paraffin waxes for pharmaceuticals, cosmetics, the food industry and many more.

PARAFLUID White Oils

White oils are highly refined mineral oils that are used in many different industrial applications due to their purity and stability. The areas of application range from the food and pharmaceutical industries to the cosmetics and plastics industries to the paint and textile industries.

PARAFLUID products meet the current requirements of the following regulations:

- European Pharmacopoeia (PH. EUR.)
- United States Pharmacopoeia (USP) National Formulary (NF)
- US Food and Drug Administration (FDA)

PARAFLUID Petroleum Jellies

Petroleum jelly – also known as petrolatum – is a versatile raw material with a wide range of industrial applications. Selecting the appropriate petrolatum depends on the specific use and desired characteristics, such as consistency, melting point, and purity.

PARAFLUID manufacturing facility, equipment and systems meet the current requirements of the following standards and directives:

- White soft paraffin is approved by the European Directorate for the Quality of Medicines & Healthcare (EDQM) and possesses a certificate of suitability (CEP).
- Certified under ISO 9001:2015 and complies with Good Manufacturing Practices (GMP) as outlined in Eudralex Vol. 4. Ensuring compliance with EC Directive 2003/94/EC, covering the production of medicinal products and active pharmaceutical ingredients for human use.

Which supports FUCHS unique position as the only manufacturer in Europe.

Other special applications of PARAFLUID

FUCHS offers even more petrochemical specialties. For example:

- Base oils
- Microcrystalline waxes
- Polyalphaolefins

PARAFLUID Products

High-quality, versatile and well-proven

Our customers in the pharmaceutical and cosmetic industry have high expectations and they can count on us to deliver:

- ✓ Consistently high-grade products of the very purest quality
- ✓ A variety of different packaging sizes
- ✓ Reliable fulfillment of regulatory requirements
- ✓ A fast completely smooth supply chain

We do not just create lubricants - With our pharmaceutical white oils and petroleum jellies, we protect what matters most in the pharma and cosmetic industry: safety, quality and trust. Our goal: to enable your success with reliable, sustainable, and superior high-performance base products. Today and tomorrow. What can we move for you?

About PARAFLUID – your one stop provider

Moving your world forward - to us, this idea is both a commitment to our customers and an obligation to ourselves. Our aim is not only to be the No. 1 provider of safe pharmaceutical white oils and petroleum jellies, but also to actively shape this market with our ideas and innovations.

We aim to do this on the basis of four pillars:

- 1 } Superior Quality
- 2 } Logistics & Storage
- 3 } Regulatory Compliance
- 4 } Research & Development

1 Superior Quality

PARAFLUID products by FUCHS are meticulously formulated specifically for the pharmaceutical industry, particularly for the production of creams and ointments.

Each stage of the manufacturing process, from raw materials to finished goods, undergoes rigorous testing to ensure product uniformity and reliability.

These products comply with the latest Pharmacopoeias and are tested using the latest automatic equipment to guarantee reproducibility of results.

2 Logistics & Storage

Our logistics services are crucial for our customers, meeting their operational needs with flexibility and reliability. Whether it's a single barrel or a full tanker load, we adapt precisely to their requirements and ensure fast, seamless deliveries worldwide.

Our in-house storage and facilities near key ports like Hamburg and Rotterdam, along with our international network, ensure prompt, reliable, and traceable service. Customers trust us to handle shipments of any size or destination.

3 Regulatory Compliance

FUCHS has over 60 years of experience in providing white oils and petroleum jellies for global pharmaceutical and cosmetic companies.

We operate Europe's only medicinal licensed plant for these products and hold a Certificate of Suitability from the European Pharmacopoeia (CEP) for White Soft Paraffin EP from the EDQM.

Our operations are overseen by Registered Qualified Persons, ensuring compliance with Article 51 of EC Directive 2001/83/EC.

4 Research & Development

FUCHS has extensive R&D capabilities and can offer customized soft paraffin formulations and white oil viscosities tailored to specific needs.

We provide support in product development, technical issues, and advice on storage and manufacturing.

FUCHS has the expertise to develop and blend specialty formulations, including food and cosmetic (Cosmetics Europe Rec. No. 14) grade soft paraffins.

PARAFLUID

White Oils and Petroleum Jellies for the Pharmaceutical and Cosmetic Industry

Pharmaceutical

White Oils

Pharmaceutical quality white oils need to meet the highest quality and purity standards. They are easy to process and exhibit good tolerability. Companies in the pharmaceutical industry and those that manufacture veterinary products have been using our highly refined pharmaceutical products for their recipes and formulations for many decades.

Petroleum Jellies

Pharmaceutical quality petroleum jellies meet the highest purity standards, ensuring excellent processability and skin tolerability, making them essential in pharmaceuticals, veterinary products and cosmetics. Trusted by manufacturers worldwide, they are ideal for safe and effective formulations.

Cosmetic

White Oils

White oils are the ideal raw material for the production of cosmetics. They are easy to apply, well tolerated and usually do not cause skin irritations. As key ingredients in high-quality cosmetic products, white oils are particularly convincing thanks to their outstanding protective properties, color, and ability to provide the perfect consistency.

Petroleum Jellies

In the cosmetics industry, petrolatum is often used for its moisturizing, skin-protecting and smoothing properties. Petroleum jelly can be found as an ingredient in a variety of commonly used cosmetic products.

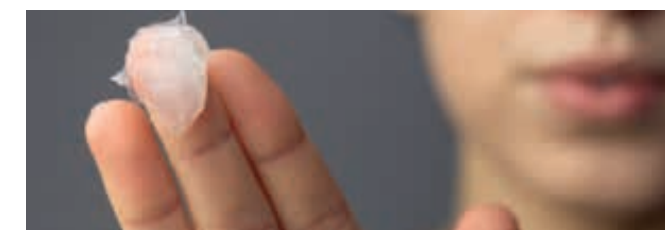


White Oils



- Skin care products
- Lotions
- Creams
- Ointments
- Hair care products
- Lip care products
- UV / Sun protection products
- Dental care products
- Eye preparations and makeup
- Stage makeup
- Lubricants
- Hand cleaning pastes and soaps
- Baby, massage and bath oils

Petroleum Jellies



- Moisturizing creams
- Lip balm
- Hand and foot creams
- Hair care products
- Make-up remover
- UV sun protection products
- Dental care products
- Eye preparations and makeup
- Stage makeup
- Lubricants
- Hand cleaning pastes and soaps

Advantages of Using Mineral Hydrocarbons

Mineral hydrocarbons, such as white oil and petroleum jelly, are frequently used in pharmaceuticals and cosmetics. They offer a number of advantages over other raw materials, especially naturally derived ones.

In contrast, natural ingredients can potentially be more complex to handle, for example due to their sensitivity to light and temperature, the potential for allergic reactions and their varying composition. These aspects make mineral hydrocarbons an attractive choice in many cosmetic and pharmaceutical applications.

✓ High Stability

Mineral hydrocarbons are chemically inert, which means that they do not easily oxidize or react with other ingredients. This ensures a longer shelf life of the products and reduces the risk of discoloration or odor changes.

✓ Allergy-free

Mineral oils are very pure and do not contain proteins or other potentially allergenic substances that can be found in natural oils. This makes them less likely to cause allergies or skin irritation.

✓ Consistent Quality

Since mineral hydrocarbons are industrially produced, they are consistent in their composition. Natural oils, on the other hand, can vary in quality depending on harvesting conditions, storage and processing.

✓ Low Microbe Count

Mineral oils are naturally less susceptible to microbial infestation. This reduces the need for preservatives, which are necessary in some natural oils to ensure microbiological stability.

✓ Moisturizing Properties

Mineral oils form an occlusive layer on the skin that effectively prevents water loss through the skin. This property is particularly appreciated in moisturizing creams and ointments.

✓ Gentle on Sensitive Skin

As they do not contain fragrances or other irritating substances, mineral oils are often the preferred choice for people with sensitive skin or for baby products.

✓ Affordable and Stable Prices

Mineral hydrocarbons are cost-efficient to produce, which enables the production of inexpensive products.

✓ Odorless and Clear

Mineral oils are virtually odorless and colorless, making them a preferred base for perfumes and other scented cosmetic products.

✓ Cruelty-free and Vegan

Mineral hydrocarbons are chemically simple, well-researched, and extensively tested for safety and compatibility. Their long-term use in cosmetics and pharmaceuticals means animal testing is rarely needed.

PARAFLUID superior pharmaceutical base products



Pharmaceutical White Oils

Product name	Color Saybolt	Kin. Viscosity at 40°C [mm²/s]	Density at 15°C [g/cm³]	Flash Point [°C]
	ASTM D156	ASTM D7042	ASTM D4052	ASTM D92, COC
Pharma White Oil PL 501A	min. +30	ca. 16	ca. 0.850	ca. 195
Pharma White Oil PL 501B	min. +30	ca. 24	ca. 0.855	ca. 204
Pharma White Oil PL 1301*	min. +30	ca. 35	ca. 0.862	ca. 218
Pharma White Oil PL 500A*	min. +30	ca. 47	ca. 0.864	ca. 225
Pharma White Oil PL 500	min. +30	ca. 71	ca. 0.867	ca. 254
Pharma White Oil PL 420*	min. +30	ca. 100	ca. 0.870	ca. 256

* All of our Pharma White Oils meet the requirements of the Ph.Eur. The viscosity of Pharma White Oil PL 1301, PL 500A and PL 420 may be outside of Ph. Eur. requirement.



Pharmaceutical Petroleum Jellies

Product name	Appearance [Color 2" cell]	Kin. Viscosity at 100°C [mm²/s]	Drop Point [°C]	Consistency [25°C - mm x10 ⁻¹]	Congeaing Point [°C]
	IP 17	IP 71	IP 371 (*Ph.Eur)	IP 179	IP 76 (*ASTM D938)
PARAFLUID WHITE SOFT P 320	1.0Y max	ca. 8	ca. 54	ca. 165	ca. 57
PARAFLUID YELLOW SOFT P 370	16Y + 2R max	ca. 10	ca. 54	ca. 160	ca. 57
SUPERLA® PJ 3000	1.0Y max	10 min	ca. 57*	ca. 173	ca. 58*

Further industries using FUCHS White Oils and Petroleum Jellies



Food



Household
and cleaners



Paper



Leather
and textiles



Paint
and printing



Rubber
and plastics

... and many more

A dedicated partner for our customers. An experienced specialist for our products.

As part of the FUCHS SE the world's largest independent supplier of lubricant solutions the name **PARAFLUID** has been synonymous with high-quality, versatile petroleum jellies and white oils for a long time. With more than 135 years of product experience and a strong brand name, our expertise is valued throughout the industry. We mainly supply the food, pharmaceutical, and cosmetic industries with highly refined products. But excellent products are not enough for us: we also understand that focusing on our customers' needs is an essential factor for the effective use of our products. For this reason, we assign specific service representatives to support each customer. Our practical experience enables us to help you select the most suitable product and implement efficient processes.



Logistics fit to your requirements



Quick and smooth delivery



Warehouses close to major ports

At FUCHS, we combine high-quality products and dedicated service to deliver an all-round strong performance.



www.fuchs.com/de/en/brands-and-product-lines/n-r/parafluid/

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