

A close-up photograph of a red apple, showing its textured skin and numerous water droplets. The apple's stem is visible in the lower center. The image is partially obscured by a white curved shape on the right side.

SUPERLA®

Food grade qualities of the
highest purity

PARAFLUID
Raffinierte Basisprodukte

SUPERLA® for Foodstuffs

Valuable processing aids for the food industry

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

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

And that is exactly what we do! We ensure consistent product quality: The purity of our SUPERLA® white oils is why they are already widely used by many customers in the food industry. The white oils fulfil and even partially surpass the requirements set out in strict directives. In addition, our staff are always up-to-date on current regulations and can provide corresponding consultation. Our packaging sizes are very diverse. Depending on your requirements, we can supply you with the exact containers you need. Last but not least, our customers

know that they can rely on our flexible service. We continually optimise our logistics, and using our own warehouses enables us to fulfil even the most unusual customer requirements.

We offer you a unique combination of unbeatable service and the best processing aids for the production of food and its packaging, including petroleum jellies, white oils and oils that are approved as food additives. Put us to the test!

Applications

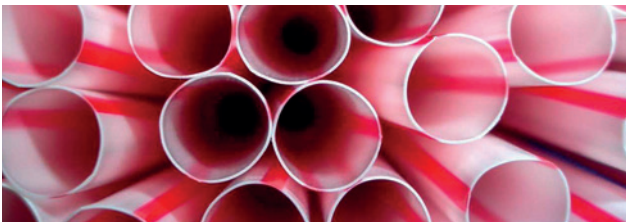
Food grade SUPERLA® products are used for example as:

- Dust-binders in cereals processing
- Defoaming agents
- Release agents in bakeries
- Coatings for sausage casings
- Fruit coatings
- Plasticisers in plastic packaging materials

They are also ideally suited as processing aids for the:

- Production of edible oils
- Production of wine corks
- Production of beverage and animal feed cans
- Production of food trays
- Meat processing
- Manufacture of drinking straws

SUPERLA® WHITE OILS meet or exceed the following requirements:



- EU-»plastics directive« 10/2011
 - FDA 172.878 (»direct food contact«)
 - FDA 178.3620 (a) (»indirect food contact«)
 - United States Pharmacopoeia (USP)/ National Formulary (NF)
 - NSF H1, HX-1, 3H
- H1: acceptable as lubricant with incidental food contact for use in and around food processing areas
- HX-1: acceptable as an ingredient for lubricants with incidental food contact
- 3H: release agents with direct food contact

Additionally, they are free from

- Allergens, pesticides, gluten, latex or dioxin
- BSE / TSE
- GMO, microorganisms, aflatoxins or any other reactive organic material
- Residual solvents as per the guideline »Note of Guidance on Impurities: Residual Solvents (EMA/CHMP/. ICH/82260/2006)« and the European Pharmacopeia, chapter on residual solvents
- Substances that are considered as carcinogenic, mutagenic or toxic to reproduction in the sense of regulation (EC) No 1272/2008

Our team of product specialists has a unique wealth of experience in real-world applications of our brands. Using this expert knowledge to your advantage is an integral part of our service: we will provide you with a thorough consultation on any product-specific as well as regulatory questions you may have and support you from the initial formula, through the design process and on to the requisite systematic delivery.

It is exactly this kind of reliable and flexible all-round support that makes us a strong partner.

PARAFLUID Products

A high degree of purity

A wide range of applications

Our products are ideally suited as base materials for processing aids in the production of foodstuffs, food packaging and for formulations that come into contact with food. Other major users include the plastics, textile, pharmaceutical and cosmetic industry.

SUPERLA® pharmaceutical white oils

SUPERLA® pharmaceutical white oils are colourless, odourless and tasteless oils. The mixtures of saturated paraffinic and naphthenic hydrocarbons span a wide viscosity range. They are clear bright and free of solids. These chemically nearly inert oils are virtually free of nitrogen, sulphur, oxygen and aromatic hydrocarbons.

SUPERLA® white oils find application:

- Where direct food contact may occur
- Where odour and staining must be minimized
- Where outstanding long service under adverse conditions is required



Product	Kin. Viscosity mm²/s at 40°C	Density g/cm³ at 15°C	Colour Saybolt
	DIN EN ISO 3104 ASTM D445	DIN EN ISO 3675 ASTM D4052	ASTM D156
SUPERLA® 40	ca. 16	ca. 0,850	min. 30
SUPERLA® 70	ca. 24	ca. 0,855	min. 30
SUPERLA® 90	ca. 35	ca. 0,862	min. 30
SUPERLA® 190 *	ca. 46	ca. 0,865	min. 30
SUPERLA® 240	ca. 71	ca. 0,867	min. 30
SUPERLA® 350 *	ca. 100	ca. 0,870	min. 30

*no NSF registration

SUPERLA® Liquid Polymer 1800

SUPERLA® Liquid Polymer 1800 is a mixture of synthetically produced iso-paraffins. This product is pure, inert, colourless and odourless. It is permitted under the denomination »hydrogenated poly-1-decene« as a food additive (E907) according to Commission Regulation (EC) No. 1333/2008. Due to its properties it is a superior alternative to the medicinal and vegetable oils used

in the food producing industry. Also the pharmaceutical and cosmetic industries can benefit from the versatile characteristics of this oil. Compared to vegetable oils, which oxidize very quickly becoming rancid and viscous, SUPERLA® Liquid Polymer 1800 is thermally and UV stable.

Product	Kin. Viscosity mm²/ s at 40°C	Density g/cm³ at 15°C	Colour Saybolt
	DIN EN ISO 3104 ASTM D445	DIN EN ISO 3675 DIN 51757 P.3 ASTM D4052	ASTM D156
SUPERLA® Liquid Polymer 1800	ca. 30	ca. 0,850	min. 30

SUPERLA® PJ 2000

SUPERLA® PJ 2000 is a petroleum jelly of unique composition. With highest quality white mineral oils and microcrystalline waxes being chosen as raw materials for this grade, it not only meets the requirements of Regulation (EU) 10/2011, but also complies to various recommendations from the German Federal Institute for Risk Assessment (BfR) as well as »Cosmetics Europe« COLIPA-recommendation no. 14 for mineral hydrocarbons in oral- and lipcare products. Of course it additionally fulfils the requirements of the European Pharmacopoeia for white soft paraffin.



Product	Kin. Viscosity mm²/s at 100°C	Consistency/Cone Penetration 1/10 mm at 25°C	Congeaing Point in °C
	DIN EN ISO 3104 ASTM D7042	DIN 51580 ASTM D937	DIN ISO 2207 ASTM D938
SUPERLA® PJ 2000	ca. 13	ca. 170	ca. 50

Our Ambition

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

The name PARAFLUID has been synonymous with high-quality, versatile **petroleum jellies and white oils** for a long time. With more than 125 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.

Our **logistics services** are also crucially important for our customers. It doesn't matter whether you need a single barrel or a whole tanker lorry: We adapt our logistics to precisely fit your requirements. As a global company with warehouses located very close to major ports, we deliver anywhere in the world quickly and smoothly.

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

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PARAFLUID is certified according to
DIN EN ISO 9001