



White Oil Pharmaceutical

High performance pharmaceutical white oil

Product description

White Oil Pharmaceutical is a high performance highly refined mineral oil, formulated with saturated aliphatic and alicyclic, non-polar hydrocarbons. These oils are hydrophobic, colourless, transparent, odourless, tasteless and non-fluorescent.

Customer benefits

- Chemically and biologically stable
- Will not support bacterial growth
- Complies to international quality standards
- NSF approved
- Kosher (Parve) and Halal certified

Applications

• **Pharmaceuticals and cosmetics**

Base materials for ointments, skin creams, hair preparations, suntan lotions and emollients, ingredients for baby and bath oils, lotions, lipsticks, massage oils

• **Food**

Coatings for eggs, fresh fruit and vegetables, impregnating oils for fruit and vegetable wrappings, plasticisers in polystyrene and other plastic packaging materials, sugar refining. For applications including divider oils and bakery pan oils, use food grade vegetable oils, such as sunflower oil

Product highlights

- **Chemically and biologically stable**
- **Will not support bacterial growth**
- **Complies to international quality standards**
- **NSF approved**
- **Kosher (Parve) and Halal certified**

Selected specification standards include:

NSF H1 and NSF HX1	Kosher (Parve) & Halal
British Pharmacopoeia (BP)	U.S. FDA: 21 CFR 178.3620(a), 21 CFR 172.878
U.S. Pharmacopoeia (USP)	U.S. National Formulary (NF)

• Chemicals

Manufacture of plasticisers and internal lubricants, mould release agents and extrusion aids in plastics production, manufacture of carrier oils for pesticides and insecticides

• Lubricants

Lubricants for medical instruments and apparatus, filling and packaging machines in the food industry and compressor cylinders in the beverage industry. White Oils Pharmaceutical are also recommended as rayon oils and de-foaming and glossing agents. Hydraulic fluids, or bearing and gear lubricants. Compressors handling air or gases (except oxygen), or carbon dioxide for carbonated beverages. Rust preventive for vats, tanks and machinery

Not recommended for use in breathing air compressors

• Industry

White Oils Pharmaceutical are finding applications in the following industries: drugs and pharmaceuticals, cosmetics, food processing and handling, rubber, plastics, paper, rope, bakery, textile, agriculture and precision machinery. Wood industries where the oils are used for finishing treatments

Product maintenance and handling

The amount of oil that is allowed in foods and food packaging materials is usually limited by local regulations. It is the responsibility of the user to determine the limit of any particular product being processed and to ensure that this limit is not exceeded.

While the inclusion of an inhibitor in White Oil Pharmaceutical greatly extends shelf life, all white oils may darken and develop an odour if exposed to direct sunlight or stored at elevated temperatures. Accordingly, these products should be stored at room temperature or lower, and not kept in clear glass containers located in direct sunlight.

Approvals, performance and recommendations



Approvals

- Registration: NSF H1 and NSF HX1
- Certification: Kosher (Parve) & Halal

Performance

- U.S. FDA 21 CFR 178.3620(a), 21 CFR 172.878
- U.S. Pharmacopeia (USP)
- U.S. National Formulary (NF)
- British Pharmacopoeia (BP)

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White Oil Pharmaceutical — Continued

Typical test data				
Test	Test Methods	Results		
White Oil Pharmaceutical		WOP 40	WOP 70	WOP 240
Viscosity Grade		VG15	VG24	VG68
Shelf Life: 36 months from date of filling indicated on the product label.				
NSF registration nr		146184	146679	(146183)
Color, Saybolt	ASTM D156	+30	+30	+30
Odour	-	Odourless		
Acidity	-	Neutral		
Taste	-	Tasteless		
Appearance	-	Clear and Bright		
Kinematic viscosity at 20°C, mm ² /s	ASTM D445	32	60	240
Kinematic viscosity at 40°C, mm ² /s	ASTM D445	15.5	24	70
Kinematic viscosity at 100°C, mm ² /s	ASTM D445	3.1	4.5	8.5
Flash Point, COC, °C	ASTM D92	194	210	240
Pour Point, °C	ASTM D5950	-15	-18	-15
Density at 15°C, kg/l	ASTM D1298	0.856	0.85	0.868
Carbon distribution,%	ASTM D2140			
C _A , %		0	0	0
C _N , %		32	38	32
C _p , %		68	62	68

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved. This supersedes all previous editions and information contained in them.

Disclaimer Chevron accepts no liability for any loss or damage suffered as a result of using this product for any application other than applications specifically stated in any Product Data Sheet's.

Health, safety, storage and environmental Based on current available information, this product is not expected to produce adverse effects on health when used for the intended application and in accordance with the recommendations provided in the Material Safety Data Sheet (MSDS). MSDS's are available upon request through your local sales office, or via the Internet. This product should not be used for purposes other than its intended use. When disposing of used product, take care to protect the environment and follow local legislation.

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