

TECHNICAL PRODUCT SHEET

WHITE OIL

ISO 15, 32, 68



DESCRIPTION

WHITE OIL series consists of premium-quality, ultra-pure pharmaceutical-grade oils. They are completely colorless, odorless, and tasteless, ensuring exceptional purity and safety. These oils exceed the stringent requirements of FDA 21 CFR 172.878 and FDA 21 CFR 178.3620(a), making them suitable for direct use in food processing applications.

APPLICATIONS

WHITE OIL lubricants are intended for use in the cosmetics industry (manufacturing of creams, cleaning creams, face lotions, baby lotions, sunscreen creams, etc.), the drugs industry, and the food processing industry (e.g. bakery and pastry making) and generally where pure and clean materials are required.

SPECIFICATIONS

FDA	CFR 178.3570 (NSF H1)	InS	H1/3H
FDA	CFR 172.878 (NSF H3)		
FDA	CFR 1783620a		

PROPERTIES

WHITE OIL products are colorless, odorless, and tasteless, ensuring complete neutrality in applications. They exhibit no toxicity and are free from sulfur compounds and aromatic hydrocarbons, guaranteeing exceptional purity and safety for sensitive uses.

BENEFITS

WHITE OIL products deliver safe and reliable results, ensuring they are safe for use in all intended applications. They are both chemically and physically stable, maintaining their integrity under a wide range of operating conditions. This stability guarantees consistent performance and long-term protection in sensitive environments.



TECHNICAL PRODUCT SHEET

PHYSICAL-CHEMICAL CHARACTERISTICS

WHITE OIL	METHOD	ISO 15	ISO 32	ISO 68
Density at 15°C, g/cm ³	ASTM D4052	0.860	0.863	0.866
Viscosity, Kinematic (cSt) 40°C	ASTM D445	17	31	68
Viscosity, Kinematic (cSt) 100°C	ASTM D445	3.5	5.4	9.3
Viscosity, Kinematic (cSt) 20°C	ASTM D445	40	83	240
Flash point, COC, °C	ASTM D92	195	200	245
Pour point, °C	ASTM D97	-21	-12	-12
Refractive index at 20°C	ASTM D1218	1.4670	1.4725	1.4750
Aromatic groups, CA%	ASTM D5580	0	0	0
Naphthenic groups, CN%	ASTM D5580	33	34	31
Paraffinic groups, CP%	ASTM D5580	67	66	69
Coloir (Saybolt)	ASTM D 156	+30	+30	+30

The above mentioned characteristics represent mean values.

STORAGE

All packages must be stored in covered, well-ventilated areas. If outdoor storage cannot be avoided, barrels must be placed horizontally to prevent water ingress and to protect labels and markings from damage. Products must not be stored at temperatures above 60 °C and must not be exposed to direct sunlight, freezing conditions, or extreme temperature fluctuations.



HEALTH & SAFETY

This product is not considered to pose significant risks to health or safety when used as intended and in accordance with recommended personal hygiene practices. It must not be applied for purposes other than those for which it has been formulated. For detailed guidance on safe handling and use, refer to the Safety Data Sheet (SDS).



USED OILS

Used lubricants must be collected at designated collection points to prevent environmental contamination. They must not be mixed with solvents, brake fluids, or antifreeze.

