MOL LUBE
British High Performance Lubricates

Technical data sheet

Industrial lubricants

MOL-WHITE OIL

Pharma Grade White oils

Product description:

MOL-WHITE OIL Pharma Grade White oils are severely refined hydro-cracked / hydro-treated oils with highest degree of purity and are stabilized with suitable additives for oxidation / UV stability. These oils are suitable for Pharmaceutical, Cosmetic and Food industries, for direct & indirect food contact:

- ASTM Test methods – Latest version.
- Indian Pharmacopoeia (Except Viscosity)
- British Pharmacopoeia & European Pharmacopoeia. (Except Viscosity)
- US Pharmacopoeia / National Formulary

Features:

- Good lubrication properties for Food grade machinery application.
- Better rust and corrosive protection properties.
- Better releasing agent for Bakery application.
- Highly stable.
- Used in lubricants with incidental food contact. or on food for human consumption.

Applications:

MOL-WHITE OIL Pharma Grade White oils are extensively used as bases for pharmaceuticals and personal care products. The inertness of the product offers properties such as good lubricity, smoothness and softness and resistance to moisture in the formulations. Fully conforms to the requirements of US FDA 21CFR 172.878 for use in or on food for human consumption and 178.3620(a) for use as a component of non-food articles intended for use in contact with food for human consumption.

Health, Safety and Environment:

- Normal safety precautions (gloves and safety goggles) Should be employed
- Avoid eye and prolonged skin contact.
- Wash thoroughly after handling material.
- Don't discharge used oil in drains, dispose to an authorized used oil collection point

Storage Conditions:

- Should be stored sealed under normal conditions.
- Shelf life in original package and at room temperature is 3 years

Packing Available in:

- 172 Kg
- 209 L

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Physical properties:

MOL WHITE OIL	Method	Specification	Value
Appearance	Visual	Transparent clear, colorless, odorless liquid free from fluorescence in daylight & suspended impurities.	Transparent clear, colorless, odorless liquid free from fluorescence in daylight & suspended impurities.
Color, Min	ASTM D 156	+30	+30
Relative Density @ 20°C,	BP / Ph.Eur.	0.823 - 0.841	0.837
Weight per ml @ 25°C, g/ml	IP	0.818 - 0.835	0.832
Specific Gravity @ 25°C, g/ml	USP/NF	0.821 - 0.838	0.835
Kinematic Viscosity @ 40°C,	ASTM D 445	17 - 22	18
Dy. Viscosity @ 20°C, mPas	IP/BP/Ph.Eur.	17-24	22.85
Flash Point, COC, °C, min	ASTM D 92	150	170
Pour Point, °C max.	ASTM D 97	-15	-22
Solubility	IP/BP/Ph.Eur.	To Pass	Passes
Readily carbonisable substance	IP/BP/Ph.Eur./ USP	To Pass	Passes
Solid Paraffins		To Pass	Passes
Acidity / Alkalinity		To Pass	Passes
Sulphur Compounds	IP	To Pass	Passes
Light Absorption @ 240 - 280nm	IP	<0.1 (Passes)	0.034
Polycyclic Aromatic Hydrocarbons.	USP/BP/Ph.Eur/ US FDA 21CFR 172.878	To Pass	Passes