PRODUCT INFORMATION

RL (BP) WHITE OIL

(CODE: 15 9930, 68 9031)

Description

RL White Oil 15 and 68 are white mineral oils specially processed and packaged to ensure full compliance with the purity standards of the US Pharmacopoeia (USP) and British Pharmacopoeia (BP). All grades comply with US Food and Drug Administration (FDA) Regulation CFR 172.878 for light mineral oil that is permitted to be included, within restrictions, in foods and CFR 178.3620 (a) for mineral oil for use in non food articles that will come in contact with food. All grades are stabilised with an FDA approved inhibitor to improve shelf life.

Application

White Oil is recommended for a variety of applications in the pharmaceutical and food industries and for general industrial applications where pharmaceutical grade white oil is required. Typical applications include the following:

Pharmaceutical: Recommended for use in the manufacture of pharmaceutical and cosmetic preparations such as ointments, complexion creams, hair care products, laxatives, baby oils and as carriers in the preparation of many curative drugs. Can also be used in many other applications where direct human contact or ingestion occurs.

CAUTION - An orally administered mineral oil should not be used during pregnancy or for infants, except upon advice of a physician.

Food: Recommended for use in a wide variety of food processing and packaging operations where a lubricating oil used as a processing aid may be included in a food or food packaging material, or where direct contact between the lubricating, hydraulic, or rust proofing oil and food or packaging materials may occur. Typical applications include egg processing, meat packaging, sugar refining, food canning and the manufacture of paper intended for food packaging.

They are particularly applicable as hydraulic fluids or as bearing and gear lubricants in food processing and packaging machinery. The ISO 68 viscosity grade is recommended for compressors handling air or gases (except oxygen) used in food processing or carbon dioxide used in the manufacture of carbonated beverages. Both grades can be used as rust preventives for vats, tanks and machinery in the food and beverage industries.

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

General Industry: General industrial uses include: as a plasticiser for hydrocarbon resins, as a process oil where extremely low sulfur contents are required and as lubricants for sewing, knitting, and cloth cutting machines where a stainless mineral oil is desired. The ISO 68 viscosity grade is suitable for compressor lubrication in refrigeration systems operating on methyl chloride or sulphur dioxide. Other industrial uses include agricultural sprays, organic synthesis, plastics manufacture and animal husbandry.

Product Benefits

Exceeds international quality standards: Compliance with US FDA and major national Pharmacopoeia requirements ensures that the product meets the highest standards of purity for all medicinal and cosmetic applications, (even where ingestion by humans and animals is involved), and also for food processing and packaging operations.

Trouble free operation: In general industrial applications, the US FDA approved inhibitor enhances oxidation stability to resist the formation of gum and sludge deposits, and corrosive acidic by-products. Good lubricity of the highly refined white oil protects against wear, while good miscibility characteristics overcome potential problems in mixing with other petroleum oils, most animal or vegetable fats or oils, and waxes.

Prolonged service and shelf life: US FDA approved inhibitor resists oxidation and resultant oil breakdown in service, and oil darkening in storage.

Lubrication: The high degree of refining and purification to which white oils are subjected reduces their natural lubricating ability when compared to oils such as Regal R&O, Super Ardea CT etc. This should be taken into consideration when establishing system drain periods.

Storage & Handling

SPECIAL HANDLING NOTE: While the inclusion of an inhibitor in White Oil greatly extends shelf life All white oils may darken and develop an odour if exposed to direct sunlight or stored at high temperatures. Accordingly, these products should be stored at room temperatures or lower, and clear containers should not be placed in locations such as window displays where they will receive direct sun exposure.

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All packages should be stored under cover to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60^{o}C.

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PRODUCT INFORMATION

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(CONTINUED)

Health, Safety and Environment

Health and safety and environmental information is provided for this product in the relevant Materials Safety Data Sheet which can be obtained by contacting Royal Precision Lubricants on (03) 9553 0840.

Typical characteristics

ISO Viscosity Grade	15	68
Carbonisable Substances, BP	pass	pass
Colour, Saybolt	+30	+30
Density at 15°C, kg/L	0.850	0.880
Flash Point, PMCC, °C	188	230
Neutrality, NF/USP	neutral	neutral
Pour Point, °C	-12	-12
Solid Paraffins, BP	pass	pass
Sulfur Compounds, NF/USP	negative	negative
Ultra Violet Absorbance 260-350nm	<0.10	<0.10
Viscosity, cSt at 40°C	15.0	68.0
Taste/Odour	none	none

Typical characteristics are only a guide to industry and are not necessarily manufacturing or marketing specifications and do not constitute a legal liability.

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