



Caltex White Oil Pharma 15 and 68 are colourless, odourless, tasteless white oils. They contain a food-grade inhibitor and meet the purity standards and requirements of international and national authorities for pharmaceutical white oils.

## APPLICATIONS

- **Medicinal and cosmetic applications**

Manufacture of ointments, complexion creams, hair care products, laxatives, baby oils, and as a carrier for the preparation of curative drugs

- **Food processing and packaging operations**

Where oil used as a processing aid may be included in food or food packaging material, or direct contact between the oil and food or packaging materials may occur

- Egg processing, meat and fish packaging, fruit and vegetable processing, dairy industry, brewing and bottling, food canning, sugar refining, and the manufacture of paper intended for food packaging
- Hydraulic fluid, or bearing and gear lubricant
- Compressors handling air or gases (except oxygen), or carbon dioxide for carbonated beverages
- Rust preventive for vats, tanks and machinery

- **General industry applications**

- Plasticizer for hydrocarbon resins, process oil where extremely low sulfur content is required, textile industry lubricant, organic synthesis, animal husbandry etc
- Compressors in refrigeration systems handling methyl chloride or sulfur dioxide

Not recommended for use in breathing air compressors

## BENEFITS

- **Complies with 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.

- **Improves operations**

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.



## PERFORMANCE STANDARDS

British Pharmacopoeia (BP)
Department of Primary Industries and Energy, Australian Quarantine and Inspection Service (AQIS) Type A Lubricant.
US Pharmacopoeia (USP)
US National Formulary (NF)
U.S. FDA 21CFR 178.3620(a), 21CFR 172.878,

## TYPICAL CHARACTERISTICS

Product Code	1719	1720
ISO Viscosity Grade	15	68
Carbonisable Substances, BP	Pass	Pass
Colour, Saybolt	+30	+30
Density at 25°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 at 40°C, mm <sup>2</sup> /s	15.0	68.0
Taste/odour	None	None

## PACK SIZES

205L, 20L

## SERVICE CONSIDERATIONS

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 Pharma greatly extends shelf life, all white oils may darken and develop an odor if left in 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.



### **ENVIRONMENT, HEALTH AND SAFETY**

Users should consult the MSDS, follow the precautions outlined and comply with all laws and regulations concerning its use and disposal. Used packaging material should not be incinerated or exposed to flame. After use, protect your environment. Do not pollute drains, soil or water with used product.

### **OTHER INFORMATION**

For further information on Caltex products and services call the Lubelink Advisory Service on 1300 364 169 between 8.00am and 6.00pm (EST) Monday to Friday.

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