



# White Packer Oil

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## NSF/USP/Food Grade White Oil

### Food Processing Plants, Grain Dust Control, Drip Control

#### General Description

White Packer Oil is a colorless, odorless and tasteless food grade white mineral oil of the highest purity. It can be used for direct, indirect or incidental food and grain contact.

White Packer Oil has application in the food, grain, textile, plastics, pharmaceutical, cosmetics, adhesives, sealants, rubber extender oil, and food packaging industries.

White Packer Oil can be safely used in many special applications found in various industries. The applications covered are very broad, but also focused in key areas of food processing, grain dust control and drip oil.

#### Features and Benefits

- **Direct Contact with Food and Grain:** Meets all federal regulations to permit the use on food and grain processing for human and animal consumption.
- **Oil Stability:** Ultra high pressure hydro-cracked base oils combined with Vitamin E, an oxidation inhibiting additive, providing outstanding protection in handling and storage.
- **Special Applications:** Where prolonged contact with human skin is necessary. When minimizing odor and staining is desirable.
- **Prevents Application Errors:** White Packer Oil meets the highest industry and purity standards and is backward compatible to the lower white oil standards of many products.

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#### Typical Applications

- Cleaner and rust prevention on food, bottling, and canning equipment.
- Dust control for grain and animal feed.
- Protective coating for raw fruits and vegetables.
- Release agent in meat and poultry plant processing.
- Pellet mill release aid.
- Textile fiber lubricant.
- Smoke oil for planes at air shows.
- Drip oil for irrigation wells. (Where applicable, meets Federal, State and Wisconsin DNR requirements)

#### Typical Customers

- Food, bottling, and canning plants.
- Meat, poultry processing and packaging plants.
- Food packaging manufacturers.
- Grain handling and storage.
- Irrigation well sites with specified Federal or State regulations.
- Textile, cosmetic and pharmaceutical industry.

#### White Packer Oil can be used for these Industry Designations and Specifications

- FDA 21 CFR 172.878 (direct food contact)
- FDA 21 CFR 178.3620(a) (indirect food contact)
- FDA 21 CFR 178.3570 (incidental food contact)
- FDA 21 CFR 573.680 (animal feed)
- NSF H1 (incidental food contact)
- NSF 3H (food release agent)
- USDA (egg shell protective coating)
- Kosher, Pareve
- National Formulary (NF) as published by U.S. Pharmacopeia (USP)
- PCPC (Personal Care Products Council (formerly CTFA-Cosmetic, Toiletry, Fragrance Assoc))
- CFIA (Canadian Food Inspection Agency, only for incidental food contact on equipment)

#### Typical Properties

Grade	70	90
ISO Grade	12	15
API Gravity / lbs/gal	33	34.9 / 7.1 lbs/gal
Viscosity @ 100°C, SUS	70	90
Viscosity @ 40°C, cSt SUS	11.5-14.1	17 85.1
Viscosity @ 100°C, cSt	3	3.4
Viscosity Index	33	88
Pour Point, °C ASTM D97	-27	-15
Flash, COC, °C ASTM D92	157	185
UV Absorbance, FDA 21CFR 172.878	Pass	Pass
Limit of Poly Aromatic Hydrocarbons	Pass	Pass
Limit of Sulfur Compounds	Pass	Pass
USP/NF Requirements	Pass	Pass
USDA H1/3H Requirements	Pass	Pass
Color, Saybolt ASTM D156	+30 (colorless)	+30 (colorless)
Appearance Visual	Bright, Clear, Free of water	Bright, Clear, Free of Water

The typical properties listed reflect the general characteristics of the product, and are not manufacturing specifications. Normal batch-to-batch variations should be expected.

#### Health & Safety

A complete safety data sheet is available by calling 1-651-355-8438 or visit [cenex.com/sds-library](http://cenex.com/sds-library).