



# White Oil

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## NSF/USP/Food Grade White Oil Food Processing Plants, Grain Dust Control, Drip Control

### General Description

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

White 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 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.

### Typical Properties

Grade	70
Approximate ISO Grade	15
API Gravity / lbs/gal	34.9 / 7.1 lbs/gal
Viscosity @ 100°C, SUS	70
Viscosity @ 40°C, cSt	13.4
SUS	67
Viscosity @ 100°C, cSt	3.1
Viscosity Index	84
Pour Point, °C ASTM D97	-27
Flash, COC, °C ASTM D92	185
UV Absorbance, FDA 21CFR 172.878	Pass
Limit of Poly Aromatic Hydrocarbons	Pass
Limit of Sulfur Compounds	Pass
USP/NF Requirements	Pass
USDA H1/3H Requirements	Pass
Color, Saybolt ASTM D156	+30 (colorless)
Appearance Visual	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).

### White 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)