



## White Oil

White Oil is a highly refined, premium quality mineral oil developed for use in food processing plants, consumer products and in other applications that require an exceptionally pure white mineral oil. It meets or exceeds the highest industry standards for purity and stability. It is registered by NSF International as an H1 lubricant for use where incidental food contact may occur. It also meets former 1998 USDA H1 guidelines, and is certified Kosher and Pareve.

White Oil is manufactured with a mixture of paraffinic and naphthenic hydrocarbons of the highest purity. It contains Vitamin E as a natural oxidation inhibitor and remains colorless, odorless and tasteless during normal storage and service life. It is nontoxic and has outstanding storage stability.

White Oil meets FDA requirements for use in applications where direct, indirect or incidental contact with food may occur. It may be used to lubricate machinery, protect against moisture or control dust on grains and animal feed. It also is used as a component in certain consumer products, such as cosmetics and pharmaceuticals and may be used as smoke oil at air shows.

### **Applications**

- Food processing, bottling and canning equipment
- Protective coating for raw fruits and vegetables
- Eggshell sealant in facilities operating under the USDA voluntary shell egg grading program
- Dust suppressant for grain or animal feed
- Drip oil for deep well water pumps
- Process oil or diluent in adhesives, sealants, caulks, pharmaceuticals, cosmetics, rubber extender oils and plastics
- Smoke oil
- Textile lubricants
- Household cleaners and polishes

White Oil meets the requirements of the following government and industry specifications:

- CTFA (Cosmetics, Toiletries and Fragrances Association)
- FDA Code of Federal Regulations:
  - 21 CFR 172.878 for direct food contact
  - 21 CFR 178.3620 for indirect food contact
  - 21 CFR 573.680 for animal feed

**Premium Food-Grade Mineral Oil; NSF H1 Registered**

### **Contact Information**

**U.S. Customer Service:**  
**1-800-822-6457**

**Technical Hot Line:**  
**1-800-766-0050**

**International Customer Service:**  
**+1-832-486-3363**  
**+1-832-486-3870**

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- NSF International H1 and former 1998 USDA H1 guidelines for incidental food contact
- USDA voluntary shell egg grading program, for protective coating (grades 50/60, 65/75 and 80/90)
- United States Pharmacopoeia (USP) and National Formulary (NF)

### Features/Benefits

- Meets NSF International requirements for direct, indirect and incidental food contact
- Certified Kosher and Pareve
- Colorless, odorless and tasteless
- Excellent color stability
- Contains vitamin E for oxidation inhibition
- Nonstaining

### White Oil

#### Typical Properties

Grade	50/60	65/75	80/90	200/215	340/365
<b>ISO Grade</b>	<b>7</b>	<b>10/15</b>	<b>15</b>	<b>32/46</b>	<b>68</b>
Specific Gravity @ 60°F	0.827	0.850	0.855	0.862	0.875
Density, lbs/gal @ 60°F	6.90	7.09	7.13	7.19	7.30
Color, ASTM D1500	L 0.5	L 0.5	L 0.5	L 0.5	L 0.5
Color, Saybolt	+30	+30	+30	+30	+30
Flash Point (COC), °C (°F)	153 (307)	177 (351)	186 (367)	210 (410)	225 (437)
Pour Point, °C (°F)	-9 (16)	-15 (5)	-15 (5)	-15 (5)	-15 (5)
Viscosity,					
cSt @ 40°C	6.9	12.3	15.2	39.5	66.2
cSt @ 100°C	2.4	2.9	3.4	6.1	8.0
SUS @ 100°F	50	71	83	204	345
SUS @ 210°F	34	36	38	47	53
Viscosity Index	89	68	88	98	84

### Health and Safety Information

For recommendations on safe handling and use of this product, please refer to the Material Safety Data Sheet via <http://w3.conocophillips.com/NetMSDS>.

Typical properties are average values only and do not constitute a specification. Minor variations that do not affect product performance are to be expected during normal manufacture, and at different blending locations. Product formulations are subject to change without notification.

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