



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 is available in five grades: 50/60 (ISO VG 7), 65/75 (ISO VG 10/15), 80/90 (ISO VG 15), 200/215 (ISO VG 32/46) and 340/365 (ISO VG 68). 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:

- 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

U.S. Technical Services Hot Line:
1-800-766-0050

International:
+1-832-486-3363

E-mail address:
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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
ISO Grade	7	10/15	15	32/46	68
Density, g/cm ³ @ 15.6°C (60°F)	0.827	0.850	0.855	0.862	0.875
Density, lbs/gal @ 15.6°C (60°F)	6.89	7.08	7.12	7.18	7.29
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>.

Due to continual product research and development, the information contained herein is subject to change without notification.

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