Western States Oil International



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VANGARD USP WHITE MINERAL OIL 350

Medicinal Grade White Oil

Vangard USP White Mineral Oils are water-white, tasteless, odorless lubricants consisting of chemically and biologically stable, saturated aliphatic and alicyclic hydrocarbons. Our Food Grade White Oils are chemically and biological stable and do not support bacterial growth. Vangard Food Grade White Oils contain Vitamin E, a natural antioxidant to protect quality during handling and storage. All Vangard NF/USP White Mineral Oils are Kosher and NSF Certified.

Vangard USP White Mineral Oil comply with FDA 21CFR Part 172, "Food additives permitted for direct addition to food for human consumption" [§ 878] and Part 178, "Indirect Food additives: adjuvants, production aids and sanitizers" [§ 3620] and 21CFR 573, "Food additives permitted in feed and drinking water of animals".

Applications

Vangard 350 can be used in a variety of food-related, cosmetic and pharmaceutical applications subject to the applicable laws and regulations in each country.

Thermoplastics

White oils play a key role in the manufacture of thermoplastic elastomers. Elastomeric materials that can be processed without vulcanization use white oil as an extender to facilitate fabrication, particularly when light color or food approval are required. For this application, any of the Vangard white oils can be helpful, depending on its particular function in the process. In Ethylene Propylene Diene Monomer (EPDM) elastomers, white oils are often used as extenders, mainly to adjust mechanical properties to the end use, and particularly when weather and heat resistance are required, such as in flexible piping and car sealants.

Hot melt adhesives

In hot melt adhesives, white oil acts as a diluent — where high transparency is required or when the product can come in contact with human skin or food. For this application, Vangard 350 is the perfect choice among adhesives manufacturers due to its consistent quality that helps create premium products with excellent performance characteristics. It also meets Pharmacopoeias requirements if food or skin contact is anticipated.

Cosmetics and Pharmaceuticals

Vangard 350 has many well-established applications in the pharmaceutical industry, like laxative jellies and ointments, and is also recommended as a component for many cosmetic products, such as creams and body lotions.

Vangard 350 can be used as a food additive in USA subject to applicable FDA regulations, while it cannot be used as a direct food additive in European Union Member States

Vangard Food Grade Lubricants San Jose, CA. U.S.A. 95112

Technical Data Vangard 350

Test	Test Method	Typical
Appearance	Visual	Clear & Bright
Oder	Olfactory	absent
Gravity, API	ASTM D4052	.864
Pour Point	ASTM D97	5 (-15C)
Flash Point	ASTM D92	465F (240C)
Viscosity SUS @100F	ASTM D445	352
Viscosity cSt. @ 40°C	ASTM D445	67.5
Average Molecular Wt	. ASTM D 2502	497
Color Saybolt	ASTM D1500	<0.5
5% Mass Fraction Carbon number at distillation point		21
5% Mass Fraction Distillation point temperature		352
Initial Boiling point		318

Typical values may vary within modest ranges and specifications may be subject to change

Health and Safety

CAS number: 8042-47-5 EINECS number: 232-455-8

INCI name (Europe): Paraffinum Liquidum CTFA Dictionary name (USA): Mineral Oil

H.S. Code: 2710.19.4530 - White Mineral Oils, Medicinal Grade

Hazmat Name: Non-Regulated

All Vangard White Mineral Oils are inhibited with less than 20 ppm dl-alpha tocopherol (vitamin E) All Vangard White Mineral Oils meet the following FDA regulations: 21 C.F.R. § 172.878 regarding direct food additives, 21 C.F.R. § 178.3620 (a) regarding indirect food additives, and 21 C.F.R. § 573.680 regarding animal food additives and H1 food processing lubricant standards.

Detailed health and safety information for this product is provided in the Material Safety Data Sheet (MSDS), available upon request through your local sales representative or from www.westernstatesoil.com

Storage and Handling

Recommended storage and handling procedures for Vangard white oil products are summarized in a separate bulletin available upon request through your local sales representative or from www.westernstatesoil.com

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