

FINAVESTAN



Nonfood Compounds
Program Listed 3H

White Mineral Oils



Medicinal White Oils.

APPLICATIONS

- Pharmaceuticals and Cosmetics
- Plastics
- Elastomers and Adhesives
- Food Industry

The application is subject to the applicable laws and regulations in each country.

- Component for many pharmaceutical and cosmetic products.
- Plasticizer for the polystyrene, external lubricant and other uses for food packaging-grade polymers.
- Extender for elastomers and used also for adhesives formulations.
- Defoaming agent, protective film and release agent in food industry.
- Component of the lubricants for the food Industry (incidental food contact)
- Food processing aid (direct food contact) and food additive : application subject to the laws and regulations in each country.

SPECIFICATIONS

FINAVESTAN white oils meet the requirements of the following specifications⁽¹⁾ :

- European Pharmacopoeia, most recent edition⁽²⁾
- British Pharmacopoeia, BP 2001
- French Pharmacopoeia Française, 10th edition
- US Pharmacopoeia, most recent edition
- US FDA, 21 CFR 172.878 et 21 CFR 178.3620(a), White Mineral Oil
- European Directive 2004/19/CE⁽³⁾ (amending Directive 2002/72/EC relating to plastic materials and articles intended to come into contact with foodstuffs)
- FINAVESTAN white oils are NSF 3H registered, suitable for direct food contact⁽⁴⁾

Detailed information about the compliances of the FINAVESTAN white oils is available upon request through your local sales representative.

- (1) For every regulation, see the definition of the white mineral oil according to the selected grade (viscosity) of the FINAVESTAN oil.
(2) FINAVESTAN A 50 B, A 210 B and A 520 B are not covered by the European Pharmacopoeia due to their viscosity but they comply with all the purity requirements of this pharmacopoeia, as well as of the various national Pharmacopoeias of the European countries which have adopted it.
(3) Only FINAVESTAN A 360 B et A 520 B comply with the Directive 2004/19/EC.
(4) According to the American regulations (US FDA, 21 CFR 172.878 et 21 CFR 178-3620(a), White Mineral Oil).

ADVANTAGES

Quality et Purity

- **FINAVESTAN** white oils are obtained from petroleum through several important refining stages that guaranty their extremely high purity.
- **FINAVESTAN** are transparent and colorless oils. They are also odourless and tasteless.
- As medicinal grades, **FINAVESTAN** white oils meet the requirements of the cosmetic, pharmaceutical and food-related industry subject to the regulations in each country.

| TYPICAL CHARACTERISTICS | METHODS | UNITS | FINAVESTAN | | | | | | |
|-----------------------------|-------------|--------------------|------------|--------|---------|---------|---------|---------|---------|
| | | | A 50 B | A 80 B | A 100 B | A 180 B | A 210 B | A 360 B | A 520 B |
| Saybolt Color (Min.) | ASTM D 156 | - | + 30 | + 30 | + 30 | + 30 | + 30 | + 30 | + 30 |
| Kinematic viscosity @ 40 °C | ASTM D 445 | mm ² /s | 8 | 15 | 23 | 32 | 40 | 68 | 100 |
| Density @ 20 °C | ASTM D 4052 | kg/m ³ | 830 | 854 | 856 | 858 | 860 | 864 | 868 |
| Pour point (Max.) | ASTM D 97 | °C | - 6 | - 6 | - 6 | - 6 | - 9 | - 12 | - 12 |
| Flash point (Min.) | ASTM D 92 | °C | 150 | 180 | 195 | 200 | 210 | 240 | 250 |

Above characteristics are mean values given as an information.

TOTAL LUBRIFIANTS
Industrie & Spécialités
29-11-2010 (supersedes 19-11-2010)
FINAVESTAN
1/1



This lubricant used as recommended and for the application for which it has been designed does not present any particular risk.
A material safety data sheet conforming to the regulations in use in the E.C. can be obtained from your local commercial adviser or down loaded from www.quick-fds.com.