

FINAVESTAN



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 Regulation 2011/10/CE⁽³⁾ (replacing the Directives 2007/19/EC, 2004/19/EC and 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 and A 520 B comply with the Regulation 2011/10/CE.

(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.

TOTAL LUBRIFIANTS
Industrie & Spécialités
25-10-2011 (supersedes 29-11-2010)
FINAVESTAN
1/2



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.



TOTAL

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.

