

# White Mineral Oils – EUROPE

## Purity You Can Count On

### Introduction

As the largest white mineral oil producer in the world, Petro-Canada has significant experience in supplying large bulk white oil customers. Petro-Canada produces PURETOL White Mineral Oils from start to finish – from integrated feedstock processing to certified white oils. We deliver directly to our customers through our dedicated infrastructure and efficient distribution system.

### Properties and Uses



Because of their high purity and unique properties, PURETOL White Mineral Oils find use in a wide variety of industries and applications including personal care products, cosmetics, pharmaceuticals, adhesives, food processing and plastics.

PURETOL White Mineral Oils are highly refined, colourless and odourless.

### Credentials

- Our PURETOL line meets the requirements of the European Pharmacopoeia (EP) and German Pharmacopoeia (DAB 10)
- USP<sup>1</sup> and NF<sup>1</sup> grades meet FDA 21 CFR 172.878 and FDA 21 CFR 178.3620(a) for direct and indirect food contact
- Select PURETOL grades are NSF<sup>1</sup> HX-1 registered and are available for use as components in various food applications
- All PURETOL grades available from our Dordrecht terminal are Kosher and Pareve certified

<sup>1</sup> USP (U.S. Pharmacopoeia; mineral oil), NF (National Formulary; light mineral oil), NSF (National Sanitary Foundation)

### Experience

- Petro-Canada is the largest white oil producer in the world
- Over 30 years experience producing some of the purest base oils in the world
- Over 10 years experience supplying large bulk white oil customers
- Fully integrated manufacturer – feedstock through to finished product

There's only one place where you can get PURETOL™ White Mineral Oil direct from the world's largest producer.



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### Logistics

- Strategically located to deliver bulk shipments by rail, truck and marine globally to meet your needs
- Dedicated white oil infrastructure and distribution system

### Quality

- Tailored specific solutions to meet customers' needs through custom product development
- ISO 9001 and ISO/TS 16949 registered quality system
- ISO 14001 registered environmental management system

**A full range of PURETOL White Mineral Oils is available in a variety of grades to meet our customers' requirements.**

## TYPICAL PERFORMANCE DATA

Property	Test Method Product Code	PURETOL GRADE			
		PURETOL 9D PTL9D	PURETOL 350D PTLP35D	PURETOL 380D PTLP38D	PURETOL 550D PTLP55D
Density @ 15°C	ASTM D4052	0.860	0.862	0.868	0.870
Kinematic Viscosity @ 40°C, cSt	ASTM D0445	15.6	72	74	102
Saybolt Viscosity @ 100°F, SUS	ASTM D2161	85	360	380	533
Colour, Saybolt	ASTM D0156	+30	+30	+30	+30
Pour Point, °C (°F)	ASTM D5950	-18 (0)	-15 (5)	-12 (10)	-12 (10)
Flash Point, COC, °C (°F)	ASTM D0092	195 (383)	260 (500)	260 (500)	275 (528)
GC Distillation, °C, 5%	ASTM D2887		413	422	440

Other viscosity grades are available. In addition, Petro-Canada offers a full range of North American credentialed White Mineral Oils. Consult your Sales Manager.

### Plastics & Elastomers



High viscosity PURETOL grades deliver low volatility and consistent quality. Ideal as internal and external lubricants in polystyrene, PVC\*, polyolefins and

thermoplastic elastomers, they can improve and control melt flow behaviour. Offering high purity, excellent stability and a colourless nature, PURETOL can be used as a plasticizer, catalyst carrier and pigment dispersant.

\*Patented replacement for paraffin wax in PVC pipe extrusion

### Pharmaceuticals



With their unique properties, PURETOL White Mineral Oils may be used in many pharmaceutical applications: capsule lubricants, pelletizing aids, ointment bases and laxatives. They are EP/USP/NF recognized ingredients.

### Health & Beauty



PURETOL White Mineral Oils provide effective bases for personal care and cosmetics products where they are used to lubricate, soften, smooth, moisturize and add emolliency. Uses range from baby oil, skin lotions and sunscreen to hair care products, lipstick and makeup.

### Adhesives



PURETOL White Mineral Oils can also be utilized in hot melt and pressure sensitive adhesive technology where they can be used as plasticizers.

### Food & Agriculture



PURETOL White Mineral Oils meet EP/USP/NF and FDA requirements. PURETOL White Mineral Oils are also Kosher and Pareve certified. Uses include: protective coatings on fruits and vegetables, bakery release agents, defoamers and meat packing. The same product attributes – high purity and odourless – that allow PURETOL to be used in the food industry also make it a welcome part of the agricultural segment. Primary applications include dust suppression in grain silos and animal feed.



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### Additional Markets



PURETOL White Mineral Oils, with their unique properties, are ingredients of choice in many additional industries and applications. Textile fibre lubricants, cleaners and polishes and leather processing are just a few.

If you would like to know more about Petro-Canada's line of high quality white mineral oils please contact us at:

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Beyond today's standards.

