

White Mineral Oils

Purity You Can Count On

Introduction

As the largest white oil producer in the world, Petro-Canada has significant experience in supplying large bulk white oil customers in the Plastics, Health and Beauty, Pharmaceutical, Adhesives and various other segments. 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, food processing and plastics.



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

Credentials

- USP¹ and NF¹ grades meet FDA 21 CFR 172.878 and FDA 21 CFR 178.3620(a) for direct and indirect food contact
- Select PURETOL grades are NSF¹ 3H and/or HX-1 registered and are available for use as components in various food applications
- All PURETOL grades are Kosher, Halal and Pareve certified

¹ USP (U.S. Pharmacopeia 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, 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	ASTM Test Method	PURETOL GRADE												
		6	7S	9	11	13	15	22	35	38	55	PSO 300	PSO 380	PSO 550
Specific gravity @ 25°C	D4052	0.851	0.842	0.855	0.857	0.853	0.860	0.862	0.865	0.867	0.870	0.865	0.867	0.870
Kinematic Viscosity @ 40°C, cSt	D0445	10	12.2	15.6	20.4	25.2	29.2	43.1	68	80	105	57	80	105
Saybolt Viscosity @ 100°F, SUS	D2161	60	70	85	108	130	150	220	350	380	530	280	370	535
Colour, Saybolt (min)	D0156	+30	+30	+30	+30	+30	+30	+30	+30	+30	+30	+30	+30	+30
Pour Point, °C (°F)	D5950	-24 (-11)	-20 (-4)	-18 (0)	-18 (0)	-18 (0)	-15 (5)	-15 (5)	-12 (10)	-12 (10)	-12 (10)	-15 (5)	-12 (10)	-12 (10)
Flash Point, COC, °C	D0092	175	190	195	210	215	220	220	230	252	268	240	252	268
Flash Point, COC, °F	D0092	347	374	383	410	419	428	428	446	486	514	464	486	514
GCD, 5%, °C	D2887											395	426	434

Other viscosity grades are available. Consult your Sales Manager.

Plastics & Elastomers



High viscosity PURETOL PSO 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 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 USP/NF, FDA and NSF 3H requirements. PURETOL White Mineral Oils are also Kosher, Pareve and Halal 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.

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.



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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.

