

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) requirements 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 Pareve and Halal certified

¹ USP (U.S. Pharmacopeia; mineral oil), NF (National Formulary; light mineral oil), NSF (NSF International)

Experience

- Petro-Canada is the largest white oil producer in the world
- Over 30 years experience producing base oils that are among the purest in the world using our HT purity process
- Over 10 years experience supplying large bulk white oil customers
- Fully integrated manufacturer – feedstock through to finished product

On the surface
all white mineral oils appear
to be the same.



Purity You Can Count On

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	8	9	10	11	13	15	19	21	22	35	38	55	PSO 300	PSO 380	PSO 550
Specific gravity @ 25°C	D4052	0.851	0.842	0.841	0.853	0.857	0.857	0.853	0.858	0.861	0.862	0.862	0.863	0.867	0.870	0.865	0.867	0.870
Kinematic Viscosity @ 40°C, cSt	D0445	10.0	12.2	13.3	15.8	19.0	20.4	25.2	29.2	36.1	40.6	43.1	68.0	80.0	105	57.0	80.0	105
Saybolt Viscosity @ 100°F, SUS	D2161	60	70	75	86	100	108	130	150	186	209	220	352	380	530	280	370	535
Colour, Saybolt	D0156	+30	+30	+30	+30	+30	+30	+30	+30	+30	+30	+30	+30	+30	+30	+30	+30	+30
Pour Point, °C (°F)	D5950	-24 (-11)	-20 (-4)	-27 (-17)	-21 (-6)	-18 (0)	-18 (0)	-18 (0)	-15 (5)	-15 (5)	-15 (5)	-15 (5)	-15 (5)	-12 (10)	-12 (10)	-15 (5)	-12 (10)	-12 (10)
Flash Point, COC, °C	D0092	175	190	192	193	196	210	212	216	220	232	237	250	252	268	243	252	268
Flash Point, COC, °F	D0092	347	374	378	379	385	410	414	421	428	450	459	482	486	514	469	486	514
GCD, 5%, °C	D2887	-	-	-	-	-	-	-	-	-	-	-	-	-	-	395	426	434

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 (Canadian Patent #2416268; US Patent #6,663,931)

Pharmaceuticals



With their unique properties, PURETOL White Mineral Oils may be used in many pharmaceutical applications: capsule lubricants, pelletizing aids and ointment bases. Meets USP and NF requirements.

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.



Purity You Can Count On

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.

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



Select PURETOL White Mineral Oils meet NSF 3H requirements. PURETOL White Mineral Oils are also Kosher Pareve and Halal. Uses include: protective coatings on fruits and vegetables, 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.

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

Head Office

Petro-Canada Lubricants Inc.
2310 Lakeshore Road West
Mississauga, Ontario
Canada L5J 1K2
Phone 1-866-335-3369
E-mail sales@suncor.com
Internet puretol.com



Petro-Canada is a Suncor business
™Trademark of Suncor Energy Inc. Used under licence.

Beyond today's standards.

