



CALUMET SPECIALTY PRODUCTS PARTNERS, L.P.

2780 Waterfront Pkwy. E. Dr. Suite 200 Indianapolis, IN 46214
 Phone: 317-328-5660 Fax: 317-328-5668 Sales: 1-800-437-3188 www.calumetspecialty.com

WHITE MINERAL OIL TYPICAL PROPERTIES

	VISCOSITY		SPECIFIC GRAVITY ASTM D-4052 @ 77° F	FLASH POINT ASTM D-92		POUR POINT ASTM D-97	
	ASTM D-2161 SUS @ 100° F	ASTM D-445 CST @ 40° C		° F	° C	° F	° C
MINERAL OIL USP							
Drakeol® 600	550/650	106.5/125.5	.860/.878	505	263	10	-12
Drakeol® 350	350/370	66.7/71.2	.857/.873	440	227	5	-15
Drakeol® 35	340/365	65.8/71.0	.864/.881	445	229	0	-18
Drakeol® 34	370/410	72.0/79.5	.858/.872	490	254	10	-12
Drakeol® 32	312/330	60.0/63.3	.856/.876	435	224	5	-15
Drakeol® 21	200/215	38.4/41.5	.853/.876	410	210	5	-15
Drakeol® 19	180/190	34.9/37.3	.852/.876	395	202	5	-15
LIGHT MINERAL OIL NF							
Drakeol® 15	145/155	28.1/30.3	.850/.873	390	199	5	-15
Drakeol® 13	125/135	24.2/26.3	.848/.867	390	199	5	-15
Drakeol® 10	95/105	17.7/20.2	.838/.864	370	188	0	-18
Drakeol® 10B	95/105	17.7/20.2	.867/.884	355	179	-40	-40
Drakeol® 9	80/90	14.2/17.0	.833/.861	365	185	0	-18
Drakeol® 7	65/70	10.8/13.6	.833/.861	355	179	-10	-23
Drakeol® 5	50/60	6.9/9.6	.816/.861	315	157	10	-12
Draketex® 50	48/53	6.5/7.8	.816/.861	310	154	10	-12
Penetack	38/42	3.4/4.7	.821/.837	280	138	-40	-40
TECHNICAL MINERAL OIL							
Parol® 100	95/105	17.7/20.2	.838/.864	365	185	-5	-21
Parol® 80	75/90	13.2/17.0	.833/.861	360	182	-5	-21
Parol® 70	65/70	10.8/13.6	.833/.861	355	179	-10	-23
4463 Oil	42/59	4.7/9.4	.810/.828	310	154	50	10
6970 Oil	50/75	6.9/13.6	.820/.871	315	157	15	-9
6970 LP Oil	50/75	6.9/13.6	.820/.871	330	165	-10	-18

All Properties and ranges are typical. Manufacturing specifications are confirmed upon request.

Government Regulations

- White Mineral Oil is included in the EPA's TSCA (Toxic Substance Control Act) Inventory.
- The CAS number for all products listed above is 8042-47-5.
- None of the product listed is is hazardous by OSHA (Occupational Safety and Health Administration) or DOT (Department of Transportation) standards.
- All Drakeols, Draketex 50 and Penetack meet the following FDA regulations: 21 CRF 172.878 covering direct use in food, 178.3620 for indirect use in food, 573.680 for use in animal feed and H1 food processing lubricant standards. Calumet Penreco technical mineral oils meet 21 CFR 178.3620 (b) for indirect use in food and 573.680 for animal feed.

Notes

- All Drakeols, Draketex 50 and Penetack are inhibited with less than 20 ppm dl-alpha tocopherol (vitamin E).
- Colors for all Drakeols, Draketex 50 and Penetack are +30 Saybolt. Colors of all technical oils are at least +20 Saybolt.
- Some of the most common applications for Calumet Penreco white mineral oils are shown on the chart on the back side of this sheet.
- Test methods used are current USP/ASTM or validated Calumet Penreco equivalents.

To the best of our knowledge, the information contained herein is accurate, but is given without warranty or guarantee. We assume no liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any information or material for the use contemplated, the name of use and whether there is any infringement of patents is the sole responsibility of the user.

Calumet Penreco, LLC is a wholly owned subsidiary of Calumet Specialty Products Partners, L.P.

Hydrocal® Calsol® Calpro® Calpar® Orchest® Versagel® Synergel® Drakeol® Conosol® MagieSol® Drakeol® Parol® Inkol®



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WHITE MINERAL OIL APPLICATIONS

	Drakeol® 350 & 35	Drakeol® 600 & 34	Drakeol® 21	Drakeol® 19	Drakeol® 13	Drakeol® 9	Drakeol® 7	Drakeol® 5	Draketex 50	Peneteck	Parols® & 6970 Oils
■ COSMETICS											
Baby Oils						•	•				
Creams and Lotions	•		•	•	•	•	•				
Suntan Oils	•		•	•	•	•	•				
Sunscreens	•		•	•	•	•	•				
Hair Products						•	•	•		•	
Makeups						•	•	•		•	
Makeup Removers						•	•	•		•	
Absorption Bases						•	•				
Depilatories						•	•				
Bath Oils					•	•	•				
■ PHARMACEUTICALS											
Laxatives	•		•	•							
Topical Ointments				•	•	•	•				
Gelatin Capsule Lubricants							•	•		•	
■ FOOD INDUSTRY											
Bakery Pan Oils	•	•									
Divider Oils				•	•	•	•				
Animal Feeding Dedusting											•
Mold Release Lubricants						•	•	•		•	
Egg Coatings							•	•		•	
Coatings for Fruits & Vegetables					•	•	•	•		•	
Food Packaging Materials	•	•	•	•	•	•	•	•	•	•	
Food Grade Lubricants & Greases	•	•	•	•							
Meat Packing						•	•				•
■ PLASTIC & ELASTOMERS											
Polystyrene Internal Lubricants	•	•	•								
PVC - External Lubricants	•	•	•								
Plastics Annealing	•	•	•								
Catalyst Carriers	•	•	•	•							
Thermoplastic Rubber Extender Oils	•	•									
■ MISCELLANEOUS											
Textile lubricants						•	•	•	•	•	
Adhesives	•	•	•								
Household Cleaners & Polishes	•	•					•	•	•	•	•

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Manufacturing Locations
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