



## WHITE OILS

# FORMULATING LASTING PARTNERSHIPS

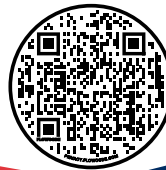
## TRUSTED SECURE SOLUTIONS

White oils are among the most versatile products in the world, making them a standard preference across diverse industries. Due to their extreme purity, white oils provide an effective use as a base, emollient, lubricant, release agent, binder, or excipient in multiple product applications.

**Experience the Penreco difference.** Penreco white oils of specific viscosities are refined to meet the purity specifications of the USP/NF and FDA standards.

- A trusted key ingredient for more than 100 years.
- Heavily credentialed to meet global standards.
- We use the highest quality ingredients from reliable sources to ensure traceability.
- Multiple manufacturing sites ensures dependable supply sourcing.
- Our manufacturing process delivers not only a high purity and safe product but is also very stable over time.

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**penreco**<sup>®</sup>

138 Petrolia St., Karns City, PA 16041 ■ 800.437.3188 ■ 724.756.0110 ■ [penreco@calumet.com](mailto:penreco@calumet.com)  
To request a sample, visit [penreco.com](http://penreco.com).

 CALUMET

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## APPLICATIONS

- Cosmetics ■ Pharmaceuticals ■ Food ■ Plastics & Elastomers ■ Personal Care ■ Veterinary ■ Textile Lubricants
- Adhesives ■ Household Cleaners

## TYPICAL PROPERTIES

	VISCOSITY		SPECIFIC GRAVITY ASTM D4052 @ 77 °F	FLASH POINT ASTM D92 (Typical)		POUR POINT ASTM D97 (Typical)	
	ASTM D7042 SUS @ 100 °F	ASTM D7042 cSt @ 40 °C		°F	°C	°F	°C
<b>MINERAL OIL USP</b>							
Drakeol 600	515/625	99.0/120.0	0.8600/0.8780	507	264	11	-12
Drakeol 350	350/370	66.7/71.2	0.8570/0.8730	469	243	5	-15
Drakeol 35	340/365	65.8/71.0	0.8640/0.8810	467	242	3	-16
Drakeol 34	370/410	72.0/79.5	0.8580/0.8720	478	248	5	-15
Drakeol 32	312/330	60.0/63.3	0.8560/0.8760	459	237	5	-15
Drakeol 21	200/215	38.4/41.5	0.8530/0.8760	439	226	5	-15
Drakeol 19	180/190	34.9/37.3	0.8520/0.8760	434	223	5	-15
<b>LIGHT MINERAL OIL NF</b>							
Drakeol 15	145/155	28.1/30.3	0.8500/0.8730	407	208	5	-15
Drakeol 13	125/135	24.2/26.3	0.8480/0.8670	391	199	5	-15
Drakeol 10	102/115	19.0/21.9	0.8380/0.8640	407	208	3	-16
Drakeol 10B	95/105	17.7/20.2	0.8670/0.8840	333	167	-23	-31
Drakeol 9	80/90	14.2/17.0	0.8330/0.8610	391	199	-15	-26
Drakeol 7	65/75	10.8/13.6	0.8330/0.8610	369	187	-15	-26
Drakeol 6 VR	10.0/10.6*	9.4/10.0	0.8340/0.8380	348	176	-20	-29
Drakeol 5	50.2/60.0	7.0/9.6	0.8180/0.8610	337	169	10	-12
Draketex 50	48.0/53.0	6.5/7.8	0.8200/0.8610	320	160	10	-12
Penetecck	39.5/44	3.9/5.3	0.8210/0.8370	305	152	-27	-33
<b>TECHNICAL MINERAL OIL</b>							
Parol® 100	100/115	20.3	0.8440	407	208	-5	-21
Parol 80	75/90	15.3	0.8500	381	194	-5	-21
Parol 70	65/75	10.8/13.6	0.8330/0.8610	369	187	-9	-23
4463 Oil	42/59	-	0.8490	325	162	50	10
6970 Oil	50/75	-	0.8460	349	176	-30	-34
6970 LP Oil	50/75	9.4	0.8410	337	169	-30	-34

\*reported in cSt

**Penreco specializes in NICHE PRODUCT BLENDING to meet customer or monograph (including, not limited to USP/NF, EP, JP) specific requirements.**

### Regulatory Information

- White mineral oil is included on the TSCA Inventory.
- The CAS number for all products listed above is 8042-47-5.
- See Safety Data sheet for additional health, safety and disposal information.
- All Drakeol® products, Draketex™ 50, and Penetecck® meet the following FDA regulations: 21 C.F.R. § 172.878 regarding direct food additives, 21 C.F.R. § 178.3620 (a) regarding indirect food additives, and 21 C.F.R. § 573.680 regarding animal food additives and H1 food processing lubricant standards. Penreco technical mineral oils meet 21 C.F.R. § 178.3620 (b) regarding indirect food additives and 21 C.F.R. § 573.680 regarding animal food additives.
- All Drakeol products are inhibited with less than 20 ppm dl-alpha tocopherol (vitamin E).



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