



## WHITE OILS & PETROLATUMS

# FORMULATING LASTING PARTNERSHIPS

### TRUSTED SECURE SOLUTIONS

Due to their extreme purity, white oils and petrolatums are effective for use as a base, emollient, lubricant, binding agent, or excipient in many personal care, cosmetic and pharmaceutical applications.

**Experience the Penreco difference.** Penreco white oils of specific viscosities are refined to meet the purity specifications of the USP/NF monograph and FDA standards, and our petrolatums meet the purity specifications of the USP monograph and FDA standards. Some of these Penreco mineral oils and petrolatums also meet the standards of the European Pharmacopeia for Paraffin, light and Paraffin, liquid and Paraffin, white soft as well as Paraffin, yellow soft.

Penreco® branded white oil and petrolatums are niche specialty products that are blended to meet customer or monograph (including, not limited to USP/NF, EP, JP) specific requirements.

**penreco®**

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To request a sample, visit [penreco.com](http://penreco.com).

# WHITE OILS

## APPLICATIONS

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

## TYPICAL PROPERTIES

TYPICAL PROPERTIES			VISCOSITY		SPECIFIC GRAVITY	FLASH POINT		POUR POINT	
MINERAL OIL EP/EU	EP	USP/NF	ASTM D2161 SUS @ 100 °F	ASTM D7042 cSt @ 40 °C	ASTM D4052 @ 25/25 °C	ASTM D92 (Typical) °F      °C		ASTM D97 (Typical) °F      °C	
DRAKEOL® 600 EP*/EU**		x	515/625	99.0/120.0	0.8600/0.8780	507	264	10	-12
DRAKEOL 372 EP	x	x	360	68.5	0.8790/0.8980	400	204	10	-12
DRAKEOL 35 EP	x	x	340/365	65.8/71.0	0.8640/0.8810	467	242	5	-15
DRAKEOL 34 EP	x	x	370/410	72.0/79.5	0.8580/0.8720	478	248	5	-15
DRAKEOL 34 S**	x	x	370/410	72.0/79.5	0.8580/0.8720	478	248	5	-15

### LIGHT MINERAL EP

DRAKEOL 15 EP	x	x	145/155	28.1/30.3	0.8500/0.8730	407	208	5	-15
DRAKEOL 13 EP	x	x	125/135	24.2/26.3	0.8480/0.8670	391	199	5	-15
DRAKEOL 9 EP	x	x	80/90	14.2/17.0	0.8330/0.8610	391	199	0	-17
DRAKEOL 6 VR EP*		x	10.0/10.6***	9.4/10.0	0.8340/0.8380	348	176	-20	-29

\*This product meets the European Pharmacopoeia (EP) purity requirements.

\*\*Products meet EU Plastics Directive 10/2011

\*\*\*Reported in cSt

# PETROLATUMS

## APPLICATIONS

- Moisturizing Creams and Lotions
- Make Up
- Hand and Foot Cream
- Skin Protectant
- Wound Care
- Lip Balm
- Lipsticks
- Salves and Rubs
- Baby Care
- Hair Care
- Pharmaceutical Applications:  
Medicated Pain Balms/  
Ointments & Cream

## TYPICAL PROPERTIES

TYPICAL PROPERTIES	EP	USP	MELTING POINT °F (°C) USP CLSIII	VISCOSITY SUS @ 210 °F ASTM D2161	MAXIMUM LOVIBOND COLOR 2" CELL IP17	CONSISTANCY @ 77 °F USP/ASTM D937
WHITE PETROLATUM EP/EU						
Snow EP	x	x	125/135 (52/57)	64/75	2.0Y	170/205
Snow EU**	x	x	125/135 (52/57)	64/75	2.0Y	170/205
Ultima EP	x	x	130/140 (54/60)	60/75	0.5Y	155/180
Regent EP	x	x	118/130 (48/54)	57/70	2.0Y	210/240
PENCLEAR						
Super White USP/EP	x	x	125/135 (52/57)	—	0.5Y	170/205
Snow White USP/EP	x	x	125/135 (52/57)	64/75	2.0Y	170/205
PETROLATUM EP						
Royal EP	x	x	118/130 (48/54)	57/70	35.0Y 3.0R	210/240
OINTMENT BASES WHITE PETROLATUM, EP						
Ointment Base No. 8 EP	x	x	118/127 (48/53)	55/65	1.5Y	220/250

\*\*Products meet EU Plastics Directive 10/2011

## Regulatory Information

- White mineral oil and petrolatum are included on the TSCA Inventory.
- The CAS number for all DRAKEOL products listed above is 8042-47-5 and for petrolatums is 8009-03-8.
- See Safety Data sheet for additional health, safety and disposal information.
- All DRAKEOL products 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.
- All Penreco USP petrolatums meet the following FDA regulations: 21 C.F.R. § 172.880 regarding direct food additives, 21 C.F.R. § 178.3700 regarding indirect food additives and 21 C.F.R. § 573.720 regarding animal food additives.
- All DRAKEOL and PENCLEAR products are inhibited with less than 20 ppm dl-alpha tocopherol (vitamin E).



Penreco® is a registered trademark of Calumet Refining, LLC ("Calumet"), which is a wholly owned subsidiary of Calumet Specialty Products Partners, L.P.



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