



DRAKEOL®

EGGSHELL PORE SEAL

WHITE MINERAL OIL COATING

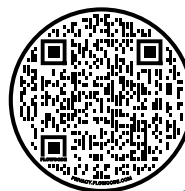
Eggshells in their natural state allow air penetration and evaporation through the shell. This natural process can accelerate the deterioration of the egg and reduce the time of freshness and quality. Uncoiled eggs may require reclassification to a lower quality standard after only a short period of cold storage. Additionally, uncoiled eggs can readily absorb foreign odors during storage.

To help eggs maintain their original grading, Penreco® offers an FDA-approved white mineral oil that can be applied as a coating and act as a protective barrier to preserve the internal quality of eggs.

Features:

- Meets the light viscosity requirements in order to penetrate the egg pores.
- Extraordinary purity due to the high temperature manufacturing process, along with no water being introduced into the process to prevent microbial growth.
- Odorless, colorless, tasteless, and readily seals the pores of the shell.
- Drains easily and does not leave a sticky or shiny surface on the shell.
- Kosher and Halal certified.

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of this brochure.



penreco®

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To request a sample, visit penreco.com.

 **CALUMET**

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Penreco takes the perishability of eggs into account with Drakeol® 5 LT Mineral Oil NF. A thin film of the white mineral oil will reduce permeability of the shell pores, thereby suppressing absorption of foreign odors and flavors. Usually, oil is applied to the eggs after washing and drying by spraying a thin film of oil with automatic equipment. Small egg operations can utilize a manually operated spraying apparatus to obtain the desired results.

LIGHT MINERAL OIL NF PRODUCT SPECIFICATIONS

	VISCOSITY		SPECIFIC GRAVITY	FLASH POINT ASTM D92		POUR POINT ASTM D97	
	ASTM D2161 SUS @ 100 °F	ASTM D7042 cSt @ 40 °C		(Typical)		(Typical)	
			ASTM D4052 @ 77 °F	°F	°C	°F	°C
Drakeol 5	50.2/60.0	7.0/9.6	0.8180/0.8610	337	169	10	-12

Penreco specializes in Niche Product Blending to meet customer or monograph (including, not limited to USP/NF, EP, JP) specific requirements.

Product and 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 are inhibited with less than 20 ppm dl-alpha tocopherol (vitamin E).
- Colors for all Drakeol products are +30 Saybolt.
- Test methods used are current USP/ASTM or validated Penreco equivalents.
- Meets Food and Drug Administration Regulations:
 - 21 CFR 172.878 covering direct use in food
 - 21 CFR 172.884 covering eggshell protective coatings

We offer assistance in blending for specialty applications as well as a number of FDA compliant products. If you have questions regarding these products, please contact your Sales Representative. Customer Service and Technical Service can be reached at www.penreco.com or 1-800-245-3952.

Product Specifications are subject to change. All product sales are subject to the applicable terms and conditions.