

19540 MINERAL SEAL OIL



Revision 01 / 2019

CITGO Mineral Seal Oil is a highly refined paraffinic light oil that is odorless and water-white in appearance. Specifications and typical physical properties are listed below. See the Safety Data Sheet for safety and regulatory information.

<i>Property Description</i>	<i>Units</i>	<i>Specification</i>	<i>Typical Property</i>	<i>ASTM Method</i>
ANILINE POINT	DEGF		194	D611
API GRAVITY (60/60 F)	DEG API		34.4	D287 OR D4052
APPEARANCE			CLEAR & BRIGHT	
AROMATIC CONTENT	VOL %		0.1	GC
COLOR, SAYBOLT		25 MIN	30	D156
DENSITY @ 60 F (15.6 C)	LB/GAL		7.06	D287 (CALC'D)
DISTILLATION, IBP	DEGF		493	D86
DISTILLATION, 50%	DEGF		516	D86
DISTILLATION, DP	DEGF		563	D86
FLASH POINT (TCC)	DEGF	248 MIN	270	D56
MOISTURE TEST, CRACKLE			PASS	
POUR POINT	DEGC	-12 MAX		
SPECIFIC GRAVITY (60/60 F)		0.82 – 0.86	0.85	D287 (CALC'D)
SULFUR CONTENT	PPM		<10	D5453
VISCOSITY @ 40C	cSt	3.0 – 4.5	3.9	D445
WATER	PPM		35	D6304



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Limitations of Warranty & Liability

Seller warrants its product will meet the specifications listed herein and it has good title to the product, free and clear of all liens and security interests; SELLER MAKES NO OTHER WARRANTY, WHETHER EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Buyer or user accepts liability for determining if the product is suitable for Buyer's or user's intended use. Any recommendation as to use made by Seller is done so at Buyer's or user's risk.

Buyer shall assume all risk and liability for and shall defend, indemnify, and hold Seller harmless from and against all claims, liabilities, costs, and expenses arising from or connected with the possession, transportation, handling, unloading, storage, processing or use of the product alone or in combination with other substances. Buyer's exclusive remedy and Seller's exclusive liability for damages under contract, tort, strict liability, negligence, or otherwise, shall be limited at Seller's option to the refund of the purchase price or the replacement of the product. In no event shall Seller be liable for incidental, indirect, special, or consequential damages.

Buyer acknowledges receipt of a Material Safety Data Sheet for the product and that the product may require special handling, storage, transportation, treatment or use to comply with applicable safety and environmental standards and will take all necessary action to comply therewith. Buyer further agrees to properly label the product if it is repackaged or resold and pass on all safety information and hazard warnings to its employees, purchasers, and users and their employees.
