

# RENOIL™ LOW VOLATILITY MINERAL OILS



## CUSTOMER BENEFITS

These highly refined paraffinic mineral oils are distinguished by their high molecular weight and associated carbon number range. Extremely low volatility and excellent low temperature properties are an exceptional combination. High viscosity without use of thickeners like polyisobutylene (PIB) is also a significant benefit.

## FEATURES

Renoil Low Volatility Mineral Oils are low color, odorless and tasteless mixtures of high molecular weight saturated hydrocarbons. Viscosity ranges extend typical clear mineral oils to 1000-1500 SUS @ 100F.

These nearly chemically inert oils are virtually free of nitrogen, sulfur, oxygen and aromatic hydrocarbons. They are clear and bright and free of solids and water.

## APPLICATIONS

- Low fogging process oil extenders for TPEs, TPVs and EPDM
- Heat transfer oils
- Grease components
- Compressor oils
- Wind turbine oils
- High and low temperature lubricants
- Incidental food contact applications

Renoil Low Volatility Mineral Oils:

- have low volatility at elevated temperatures and a high flash point
- are highly viscous without the need for thickeners like PIB
- have a high MW and carbon number for food contact applications
- are highly refined with excellent color stability
- have extremely low temperature fluidity and arctic performance
- meet requirements for Technical White Oil FDA 21CFR178.3620(b)

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# RENOIL™ LOW VOLATILITY MINERAL OILS — CONTINUED



## TEST DATA

### Low Volatility Mineral Oils

Typical Properties	Methods	Renoil 1000-LV	Renoil 1500-LV
Gravity API	ASTM D1298	31.2	29.8
Specific Gravity	ASTM D1298	0.8699	0.8772
Viscosity cSt @ 40C	ASTM D445	201.5	281
Viscosity cSt @ 100C	ASTM D445	18.6	24.1
Viscosity SUS @ 100F	ASTM D445	1060	1483
Flash Point F (C)	ASTM D92	532(278)	543(284)
Pour Point F (C)	ASTM D5950	-4(-20)	-27(-33)
Color Saybolt	ASTM D156	+28	+26
Molecular Weight	ASTM D2502	627	680
Carbon Number	ASTM D2140	C45	C48
21CFR178.3620 (b)	FDA	Pass	Pass

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