



Description

Errecom's mineral oils are highly refined hydrotreated naphthenic bases enhanced by additives that inhibit oxidation, rust and corrosion, ensuring:

- High ageing stability
- High viscosity index and low pour point (especially with lower viscosities)
- High demulsibility (rapid water separation)
- Very good resistance to foam formation and air entrainment
- Excellent low-temperature behaviour
- Good compatibility with: ammonia (NH₃), HCFC (e.g. R22), hydrocarbons (e.g. propane R290 and propylene R1270).

The high solvent power and excellent low-temperature properties contribute to good floc points for the refrigerant-oil mixture. Errecom's mineral oil, thanks to its wax-free formulation, is characterised by a low pour point and good cold pour properties. At high temperatures, Errecom's Mineral Oil has a higher flash point than other products on the market along with high thermal and chemical stability. It does not corrode iron, copper, and aluminium. It is recommended for use in systems using hydrocarbon refrigerant gases, such as isobutane (R600a), ammonia (R717) and CFCs (R12 and R22).

Physical and Chemical Properties

Physical Quantity Measured (Unit of Measurement)	Analytical Reference Method	Mineral 32/3	Mineral 46	Mineral 55/4	Mineral 68
ISO VG	/	32	46	55	68
Kinematic Viscosity at 40°C (cSt)	ASTM-D445	32	46	55	68
Kinematic Viscosity at 100°C (cSt)	ASTM-D445	4.6	5.4	6.2	6.6
Viscosity Index	ASTM-D2270	95	94	96	95
Pour Point (°C)	ASTM-D97	-45	-36	-32	-30
Flash Point (°C)	ASTM-D93	190	194	198	200
Density at 15°C (g/cm ³)	ASTM-D1298	0.904	0.91	0.91	0.915
Moisture Level (ppm)	ASTM-D6304	16	16	18	17
Total Acid (mg KOH/g)	ASTM-D974	0.02	0.02	0.02	0.02
Colour	ASTM-D1500	0.5	1.0	-	1.0

Storage Instructions

Store below 20°C.
Keep away from open flame, heat sources and direct sunlight.
Store in a dry and cool place.
Do not store above 50°C.

Transport Conditions

This product is not regulated for transport according to ADR/RID, IMDG, ICAO/IATA.

Shelf Life

5 years from the date of production.
After this period, the product may still be used, contingent upon verification that its parameters comply with performance requirements.

Chemical substance inventory

Errecom's mineral oils are recorded in the following chemical inventories:

REACH	TSCA	DLS	ENCS	KECL	IECSC	PICCS	AICS	NZIOC
EU	USA	Canada	Japan	Korea	China	Philippines	Australia	New Zealand

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