

SYNTH FREEZE OIL

DESCRIPTION & APPLICATIONS

Synth Freeze Oil is a synthetic refrigeration lubricant. It offers a universal solution to the lubrication requirements of most refrigeration compressors and is compatible with all commonly used refrigerants with the exception of HFCs. It has high solvency and is designed to maintain refrigerant cleanliness and efficiency. It has excellent high temperature and oxidation stability providing long service life even where high compressor discharge temperature is found. Synth Freeze Oil is recommended for use in open, semi-open and hermetic compressors in domestic, commercial and industrial refrigeration system. It can be used in both rotary and reciprocating compressor types. They are suitable for compressor systems using refrigerants such as ammonia (R-717), Carbon dioxide (R-744) and CFCs such as R-22 and CFC R-12, Hydro carbon systems such as Propane (R 290). They are compatible with all refrigerants except sulphur dioxide. They are compatible with Mineral Oils, Alkylated benzene and PA® based lubricants.

PERFORMANCE BENIFITS

- Excellent control of deposit and sludge formation.
- Compatible with all commonly used sealing material.
- Very Good compatibility and miscibility with most commonly refrigerants and other refrigerant lubricants.
- Low volatility.
- Excellent temperature and oxidation stability.

PERFORMANCE STANDARDS MEETS

- DIN 51503 KAA and KC

Typical Properties

Properties	Test Method	32	46	68
ISO Viscosity Grade	ISO	32	46	68
Kinematic Viscosity @40°C, cSt.	ASTM D445	30 - 34	44 - 48	66 - 70
Kinematic Viscosity @100°C, cSt.	ASTM D445	4.7 - 5.1	5.8 - 6.3	6.5 - 7.5
Density @29.5°C	ASTM D1298	0.87 - 0.88	0.87 - 0.89	0.88 - 0.90
Flash Point, (COC), °C	ASTM D92	170	170	170
Pour Point, °C	ASTM D97	-33	-33	-33
Neutralisation Number, mg KOH/g (TAN)	ASTM D664	< 1.2	< 1.2	< 1.2

The values above are typical values. They do not constitute any contractual commitment.

Sales specifications are available on request. The present technical data sheet replaces all the previous edition.

Health and Safety

This product is not likely to present any significant health or safety hazards when used correctly in the right application. Safety Data Sheet (SDS) is available on request through our website www.slkkruizer.com

Protect the Environment

Take used oil to an authorised collection point. Do not discharge into drains, soil or water.

Storage

Storage We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60°C, exposed to hot sun or freezing conditions.

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet.

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SLK ENTERPRISES

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