

TECHNICAL PRODUCT SHEET

COMET SYNALB ISO 68



DESCRIPTION

COMET SYNALB 68 is a high-quality, fully synthetic alkylbenzene (AB) lubricant formulated for refrigeration and cooling system compressors operating at evaporation temperatures below -40°C . It delivers reliable fluidity and lubrication under ultra-low-temperature conditions, ensuring stable performance and long-term compressor protection.

APPLICATIONS

COMET SYNALB 68 is recommended for use with all CFC and HCFC refrigerants, as well as with hydrocarbons such as propane, and is also compatible with CO_2 and ammonia in a wide range of refrigeration and air-conditioning applications. Its broad refrigerant compatibility makes it suitable for both commercial and industrial systems requiring dependable low-temperature performance and reliable compressor lubrication.

SPECIFICATIONS

| | | | |
|-----|--------------------|-------|--|
| DIN | 515503 KC, KE | Meets | Bitzer, Bock, York, Sabroe, Sauer & Sohn |
| ISO | 6743-3 (ISO-L-DRE) | | |

PROPERTIES

COMET SYNALB features a low flock point, ensuring reliable performance in low-temperature environments and preventing wax-related restrictions in the system. It is suitable for use across a wide range of refrigeration system types and offers excellent thermal stability for clean, efficient, and long-lasting operation.

BENEFITS

COMET SYNALB is suitable for ultra-low-temperature service, maintaining reliable fluidity and performance under extreme conditions. Its formulation helps prevent deposit build-up, ensuring cleaner system operation and reduced maintenance. Additionally, its extremely low vaporization tendency supports stable lubrication and efficient oil return throughout the refrigeration circuit.



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PHYSICAL-CHEMICAL CHARACTERISTICS

| COMET SYNALB | METHOD | ISO 68 |
|------------------------------------|------------|--------|
| Density at 15°C, g/cm ³ | ASTM D4052 | 0.973 |
| Viscosity, Kinematic (cSt) 40°C | ASTM D445 | 65.1 |
| Viscosity, Kinematic (cSt) 100°C | ASTM D445 | 96.5 |
| Flash point, COC, °C | ASTM D92 | 186 |
| Pour point, °C | ASTM D97 | -42 |

The above mentioned characteristics represent mean values.

STORAGE

All packages must be stored in covered, well-ventilated areas. If outdoor storage cannot be avoided, barrels must be placed horizontally to prevent water ingress and to protect labels and markings from damage. Products must not be stored at temperatures above 60 °C and must not be exposed to direct sunlight, freezing conditions, or extreme temperature fluctuations.



HEALTH & SAFETY

This product is not considered to pose significant risks to health or safety when used as intended and in accordance with recommended personal hygiene practices. It must not be applied for purposes other than those for which it has been formulated. For detailed guidance on safe handling and use, refer to the Safety Data Sheet (SDS).



USED OILS

Used lubricants must be collected at designated collection points to prevent environmental contamination. They must not be mixed with solvents, brake fluids, or antifreeze.

