

# COOL-PLUS SYN-A 68

REFRIGERATION OILS

322204301

**DYADE**  
LUBRICANTS



## SYNTHETIC AMMONIA REFRIGERATION COMPRESSOR FLUID

This synthetic product is specifically designed to lubricate both reciprocating and rotary compressors used in ammonia refrigeration systems. Its low evaporation rate makes it a reliable option for long-term use. The product is formulated with synthetic and alkyl benzene bases, offering exceptional chemical stability and improving the performance of cooling oils based on both naphthenic and paraffinic mineral oil. This results in a longer lifespan for the fluid and a reduction in operating costs. This lubricant is recommended for use in various applications, including ammonia refrigeration systems, cold stores, food processing plants, and freezer vessels. It is particularly well-suited for use in industries that require precise temperature control at low temperatures, such as the pharmaceutical and microelectronics sectors. This lubricant can be used in ammonia refrigeration systems where evaporator temperatures are above -50°C. The product is compatible with all types of mineral oils, including hydrotreated, paraffinic, and naphthenic oils, making it suitable for

refilling systems that use these oils. However, to fully benefit from the advantages of this product, a complete oil change is recommended. Additionally, this lubricant is compatible with common seals and elastomers used in these types of compressors, including NBR, Neoprene, and Buna-N.

## CATEGORY

- Refrigeration Fluids

## BENEFITS

- High chemical stability
- Prevents the formation of residues and lacquers
- Lower drag at low temperatures
- High Viscosity Index
- Low wear
- Improves the performance of the compressor
- High flash point
- Compatibility with seals and gaskets
- Low volatility
- High oxidation resistance
- Oil changes prolonged

## PROPERTY

PROPERTY	METHOD	VALUE
Density @ 15 °C, kg/dm <sup>3</sup>		0.85
FOUT	ASTM D445	68
FOUT	ASTM D445	10-11
Viscosity index	ASTM D2270	>130
Pour point, °C	ASTM D97	-52
Flash point, °C	ASTM D92	205
Demulsibility, 55 °C, 30 min		40/40/0
Copper corrosion 24h		1a

All data on this technical data sheet is indicative only

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