

# COOLMAX SAB 68

Product code: 262204301

## Synthetic ammonia refrigeration compressor fluid

This product is a synthetic, developed to lubricate ammonia refrigeration compressors, both alternative and rotary. It is an oil with very low evaporation tendency.

It is formulated with synthetic and alkyl benzene bases of great chemical stability, which allows improving the behavior of cooling oils based on both naphthenic and paraffinic mineral oil. The result is a fluid with a longer lifespan and a significant reduction in operating costs.

For the lubrication of ammonia refrigeration systems, cold stores, food processing plants, freezer vessels, etc. It is also recommended in plants where very precise control is required at low temperature, such as the pharmaceutical and microelectronics sector. It can be used in those ammonia refrigeration systems where evaporator temperatures are higher than -50°C.

The product is compatible with all mineral oils (hydrotreated, paraffinic and naphthenic) so it can be used to refill systems that work with this type of oils. However, a complete oil change is necessary to obtain all the advantages offered by the product.

It is also compatible with seals and elastomers commonly used in this type of compressors including NBR, Neoprene and Buna-N.

## Benefits & Advantages

Compatibility with ammonia

- 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

## Typical Performance Data

Typical	Test Method	Value
Density @ 15 °C, gr/l		0,850
Viscosity @ 40 °C	ASTM D445	68
Viscosity @ 100 °C	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, 24 hr	ASTM	1a

All performance data on this Technical Data Sheet are indicative only and can vary during production.