

# Product Data Sheet

## Mobil Gargoyle Arctic SHC 326 Synthetic Lubricant for Ammonia Refrigeration Compressors

### Product Description

Mobil Gargoyle Arctic SHC 326 is a fully synthetic refrigeration compressor lubricant, blended with polyalphaolefins and alkyl benzene base stocks and developed for high performance refrigeration units which use ammonia as the refrigerant.

Mobil Gargoyle Arctic SHC 326 is formulated from wax-free, synthesised hydrocarbon fluids which have outstanding resistance to oxidation and thermal degradation. Even under the most severe conditions this product is able to resist to the formation of sludge or deposits, that could lead to valve, oil return and filter plugging problems.

Mobil Gargoyle Arctic SHC 326 is fully miscible with mineral oils. However, special attention is required when changing from mineral oils to during the first six months, e.g. monitoring of the oil and filter condition is recommended.

Mobil Gargoyle Arctic SHC 326 does not normally affect seal materials when changing from mineral oils.

Mobil Gargoyle Arctic SHC 326 meets DIN 51503-1, KAA characteristics.

### Benefits

Mobil Gargoyle Arctic SHC 326 offers the following benefits:

- Operation at higher & lower temperatures in compressors and systems without the risk of deposit or wax formation
- Improved system efficiency
- Higher chemical stability reduces risk of formation of degradation products
- Little influence on seal materials already used with mineral oils and reduces risk of oil leaks
- Lower oil consumption due to lower volatility
- Longer oil life than mineral oils

### Application

Mobil Gargoyle Arctic SHC 326 is recommended for use in screw and reciprocating refrigeration compressors, using ammonia as the refrigerant.

Mobil Gargoyle Arctic SHC 326 is fully miscible with mineral oils, but it will - if mixed - lose its special features proportional to the degree of mixing.

## Health and Safety

Based on available toxicological information, it has been determined that this product poses no significant health risk when used and handled properly.

Details on handling, as well as health and safety information, can be found in the Material Safety Data Bulletin which can be obtained through Mobil Oil Company Ltd., by telephoning 01372 22 2000.

Typical physical characteristics are given in the table. These are intended as a guide to industry and are not necessarily manufacturing or marketing specifications.

## Typical Characteristics

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### Mobil Gargoyle Arctic SHC 326

Viscosity, cSt at 40°C	61.4
Viscosity, cSt at 100°C	8.5
Viscosity Index	111
Pour Point, °C	-54
Flash Point COC, °C min.	211
Colour	L0.5

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Due to continual product research and development, the information contained herein is subject to change without notice.

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