

# Product Data Sheet

## Mobil Gargoyle Arctic SHC 400 Series Synthetic Refrigeration Compressor Oils

### Product Description

The Mobil Gargoyle Arctic SHC 400 Series are based upon superior quality synthetic hydrocarbon (alkylbenzene) base fluids. They are wax free and have been formulated to minimise deposit formation in low temperature parts of refrigeration systems.

Mobil Gargoyle Arctic SHC 424 meets the ISO VG 32 viscosity classification, Mobil Gargoyle Arctic SHC 426 meets the ISO VG 68 viscosity classification and Mobil Gargoyle Arctic SHC 427, the ISO VG 100 viscosity classification.

The Mobil Gargoyle Arctic SHC 400 Series are approved by major refrigeration compressor builders.

### Benefits

Mobil Gargoyle Arctic SHC 400 Series offer the following benefits:

- Outstanding chemical and thermal stability for resistance to deposit formation and extended oil life
- Significantly excellent miscibility characteristics with refrigerants such as R22 compared to mineral oils
- Reduced maintenance costs due to improved efficiency of operation
- Extremely low evaporator temperatures possible, due to low Floc points
- Fully miscible with conventional mineral refrigeration oils

### Application

Mobil Gargoyle Arctic SHC 400 Series lubricants may be used in reciprocating and rotary compressors. They have outstanding thermal and chemical stability making them particularly suitable for compressor lubrication. In addition they have excellent miscibility characteristics with refrigerants such as R22 and HCFC blends and can be used for extremely low temperature applications dependent on system design.

Mobil Gargoyle Arctic SHC 400 Series lubricants have a very low foaming tendency. They are fully miscible with conventional mineral refrigeration oils in all proportions and may therefore be used as top up as necessary.

## Health and Safety

Based on available toxicological information, it has been determined that these products pose 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 Esso Petroleum 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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<b>Mobil Gargoyle Arctic SHC</b>	<b>424</b>	<b>426</b>	<b>427</b>
ISO VG Classification	32	68	100
Viscosity, cSt at 40°C	32	69	100
Viscosity, cSt at 100°C	4.5	6.5	7.5
Flash Point, °C	157	176	206
Pour Point, °C max.	-39	-39	-33
HCFC 22 Flocc Point, °C	-69	-55	-50

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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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