

# Product Data Sheet

## Mobil Gargoyle Arctic SHC 200 Series

Food Approved Low Temperature  
Synthetic Refrigeration Lubricants

### Product Description

Mobil Gargoyle Arctic SHC Series are a range of premium quality food approved refrigerator compressor lubricants based on synthesised hydrocarbon technology which give superior performance in refrigeration compressors, heat pumps and other low temperature applications.

### Benefits

Mobil Gargoyle Arctic SHC Series oils offer the following benefits:

- USDA H1 Classified, for food applications
- Lower frictional losses which result in reduced power requirements.
- Extremely high thermal and chemical stability which prevent the formation of oxidation and degradation products.
- Absence of any wax type material and very low pour points guarantee clean evaporator surfaces.
- High natural viscosity index and excellent lubricity give high compressor efficiency and low wear.
- Fully compatible with all conventional mineral oil type lubricants.
- Low refrigerant/lubricant solubility and miscibility give increased volumetric efficiency.
- Fully compatible with all materials encountered in refrigeration systems.
- Excellent protection against corrosion and copper plating and resistance to foaming.
- Reduced system downtime and lower maintenance costs give lower operating costs.

### Applications

Mobil Gargoyle Arctic SHC 200 Series oils are recommended for reciprocating and rotary design refrigeration compressors, heat pumps, freezer chains and other machinery operating at sub-zero temperatures.

### Properties

Mobil Gargoyle Arctic SHC 200 oils are oligomers and are synthesised from specific olefins by a controlled polymerisation process. This produces hydrocarbon fluids with known consistent characteristics, having a much greater degree of stability than fluids produced by conventional refining processes. Mobil Gargoyle Arctic SHC 200 oils reduce frictional losses and improve machine operating efficiency.

Mobil Gargoyle Arctic SHC 200 oils have excellent thermal and oxidation stability which permit higher operating temperatures of heat pumps and compressors (e.g. uprated ammonia systems).

## 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.

## Product Characteristics

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<b>Mobil Gargoyle Arctic SHC</b>	<b>224</b>	<b>228</b>	<b>230</b>
ISO Viscosity Grade	32	100	220
Viscosity, cSt at 40°C	29	95	209
Viscosity, cSt at 100°C	5.6	13.7	25
Viscosity Index	132	147	149
Pour Point, °C	-54	-45	-39
Flash Point COC °C	230	255	260

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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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