

# PRODUCT &

# TECHNICAL DATA

## CASTROL ICEMATIC 266 & 299 Mineral refrigerator oil

### DESCRIPTION

The Icematic 266 & 299 range of mineral based refrigeration oils is available as two grades of specially selected oils, highly refined to provide chemical and thermal stability.

Their low wax forming tendencies insure low pour points.

### APPLICATIONS

Icematic 266 and 299 are specifically for use in refrigeration and air conditioning plants using fluorocarbon refrigerants. The exceptional low temperature characteristics of these oils prevents the flocculent precipitation of wax which can otherwise occur in high performance plant using Freon refrigerants.

In most systems using R22, the critical solution temperature characteristics of these oils are adequate to prevent oil/refrigerant separation problems within the low temperature circuits. Where evaporation temperatures are exceptionally low or in systems not incorporating oil/refrigerant separators, synthetic base refrigerant oils may be preferred.

### CARE AND HANDLING

Avoid prolonged or repeated contact with skin. Wash thoroughly after handling.

### PACKAGING AND STORAGE

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and the obliteration of drum markings.

Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

### TECHNICAL DATA

TYPICAL CHARACTERISTICS	UNIT	TEST METHOD	VALUE	VALUE
Icematic			266	299
ISO Grade			32	68
Density @ 15°C	g/ml	ASTM D4052	0.91	0.92
Viscosity @ 40°C	cSt	ASTM D445	29.5	55.5
Viscosity @ 100°C	cSt	ASTM D445	4.10	5.94
Closed Flash Point	°C	ASTM D93	165	183
Pour Point	°C	ASTM D97	-48	-36
Floc Point	°C	DIN 51351	-54	-48
R12 Insolubles @ -40°C	%		0.05	0.05

The above figures are typical of those obtained with normal production tolerance and do not constitute a specification.



**Marine**

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## GENERAL ADVICE

Further information on all Castrol Marine lubricants is available from any Castrol Marine office or from:

Castrol Marine            [www.castrolmarine.com](http://www.castrolmarine.com)  
Technology Centre  
Whitchurch Hill  
Pangbourne  
Reading RG8 7QR  
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