

PRODUCT &

TECHNICAL DATA

CASTROL ICEMATIC SW RANGE

Synthetic refrigerator oils

DESCRIPTION

The Icematic SW series are a range of synthetic refrigeration oils formulated from polyolester base stock.

APPLICATIONS

They are specifically designed for use with refrigeration systems using environmentally friendly HFC refrigerants, in particular R134a.

In addition, the Icematic SW series are also suitable for use in most systems using refrigerant R12.

FEATURES/BENEFITS

The synthetic base stocks used in the Icematic SW range are fully miscible with HFCs, in particular R134a, even at temperatures well below the minimum likely to be encountered in service. They are also fully miscible with refrigerant R12.

Icematic SW grades have been formulated using a unique low treatment additive package to enhance hydrolytic stability, load carrying and inhibition against copper plating. They are wax free and hence have very low pour points. This makes sure that evaporator internals remain clean (consequently efficient heat transfer) and avoids pipe blockages.

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	VALUE	VALUE	VALUE	VALUE	VALUE
Icematic SW			32	46	68	100	150	170	220
ISO Grade			32	46	68	100	150	170	220
Density @ 20°C	g/ml	ASTM D1298	0.977	0.980	0.980	0.969	0.969	0.969	0.975
Viscosity @ 40°C	cSt	ASTM D445	32	46	68	100	150	170	220
Viscosity @ 100°C	cSt	ASTM D445	5.4	6.9	8.5	11.4	15.1	17	19.3
Closed flash point	°C	ASTM D93	233	235	245	235	235	235	235
Pour Point	°C	ASTM D97	-46	-42	-39	-30	-29	-27	-26

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
Technology Centre
Whitchurch Hill
Pangbourne
Reading RG8 7QR
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