

# PRODUCT & TECHNICAL DATA

## ICEMATIC SW SERIES Synthetic Refrigeration Oils

### DESCRIPTION

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

### TECHNICAL DATA

| Typical Characteristics | Icematic SW |     |     |     |      |      |      |
|-------------------------|-------------|-----|-----|-----|------|------|------|
|                         | 22          | 32  | 46  | 68  | 100  | 150  | 220  |
| Viscosity @ 40°C, cSt   | 22          | 32  | 46  | 68  | 100  | 150  | 220  |
| Viscosity @ 100°C, cSt  | 4.5         | 5.5 | 6.9 | 8.7 | 11.4 | 15.1 | 19.3 |
| Viscosity Index         | 118         | 110 | 107 | 100 | 100  | 100  | 99   |
| Closed Flash Point, °C  | 240         | 252 | 254 | 260 | 258  | 260  | 288  |
| Pour Point, °C          | -60         | -54 | -42 | -39 | -30  | -29  | -26  |

