

Solar S1 5 Gallon

155727-0005

- Frost protection to -18.4 °F (-28 °C)
- Volatile corrosion inhibitor for optimum protection in gas and liquid phases
- Stable pH across the range of operational temperatures
- Compatible with all makes and models of solar panels
- Benchmarked against market leading products
- Available as 5 Gallon product



An inhibited heat transfer fluid which is designed to protect all solar thermal heating systems at elevated temperatures. This product is effective both in the gaseous and liquid state at temperatures in excess of 356 °F (180 °C).

Application

Solar S1 provides corrosion inhibition to all metals commonly found in solar thermal systems. Solar S1 is compatible with all non-metals commonly found in solar thermal systems. It is ready to use and should not be mixed with other heat transfer fluids or diluted with water or glycol. If other heat transfer fluids have been previously used, drain the system completely and rinse with Solar S1 before filling.

Solar S1 is suitable for use in solar applications with stagnation temperatures in excess of 680°F (360°C) provided that the solar thermal system is correctly installed and dimensioned to allow the Fernox Solar S1 to withdraw completely through vaporization from the collectors when the maximum static temperature is reached. Solar S1 should not be exposed to temperatures of 356°F (180°C) or higher for prolonged periods. Temperatures in excess of 392°F (200°C) causes slow degradation of the fluid which can lead to a reduction in product life.

Package, Handling & Safety

Fernox Solar S1 is supplied as a ready-to-use premix in a 5 gallon pack size. The formulation should not be diluted prior to use.

Fernox Solar S1 is classified as non-hazardous, but as with all chemicals, keep out of the reach of children. Refer to the Safety Data Sheet (SDS) for further information.

Specification

An aqueous solution of monopropylene glycol, and specifically formulated high temperature inhibitors

Appearance: Orange liquid

SG @ 68°F/20°C: 1.035
Refractive Index: 1.381-1.385
pH: 9.4 – 10.3
Alkalinity: 6,300 – 6,500 ppm as CaCO₃
Viscosity (68°F/20°C): 8.5 – 8.7 cPs (Brookfield 100 rpm)
Boiling point: 215.6°F - 221°F (102°C - 105°C)
Flash point: None
Water content: 55 – 58%
Freezing point: -18.4°F (-28°C)

Single Item

Height mm	365
Width mm	280
Depth mm	250
Weight kg	22.000
Barcode EAN	5014551002364

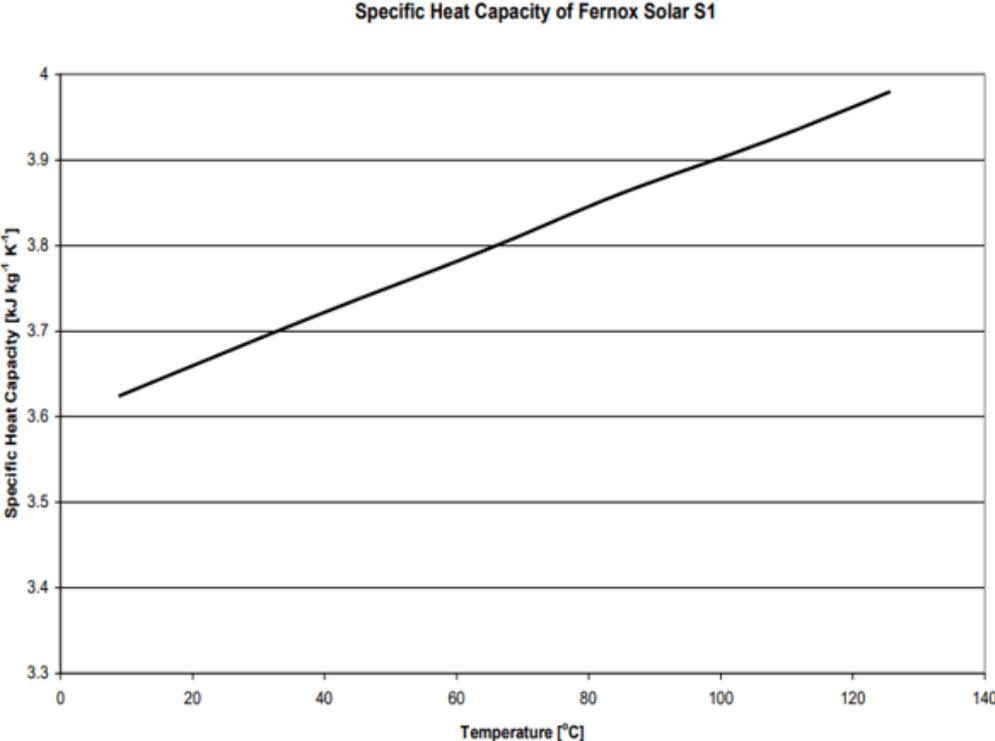
Outer Carton

Outer Height mm	890
Outer Width mm	800
Outer Depth mm	1200
Outer Weight kg	550.000
Transit Type	Euro 1200 x 800
Total units per transit layer	12
Layers per transit type	2
Total units per transit type	24

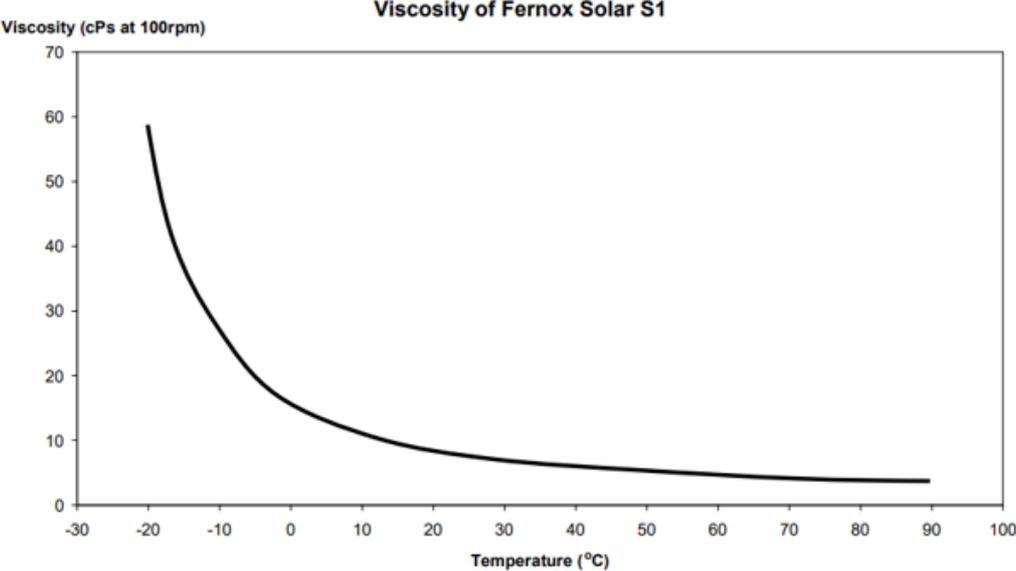
Safety Data Sheet (EN-GB-EN)

[57674_gb-en-gb.pdf](#)

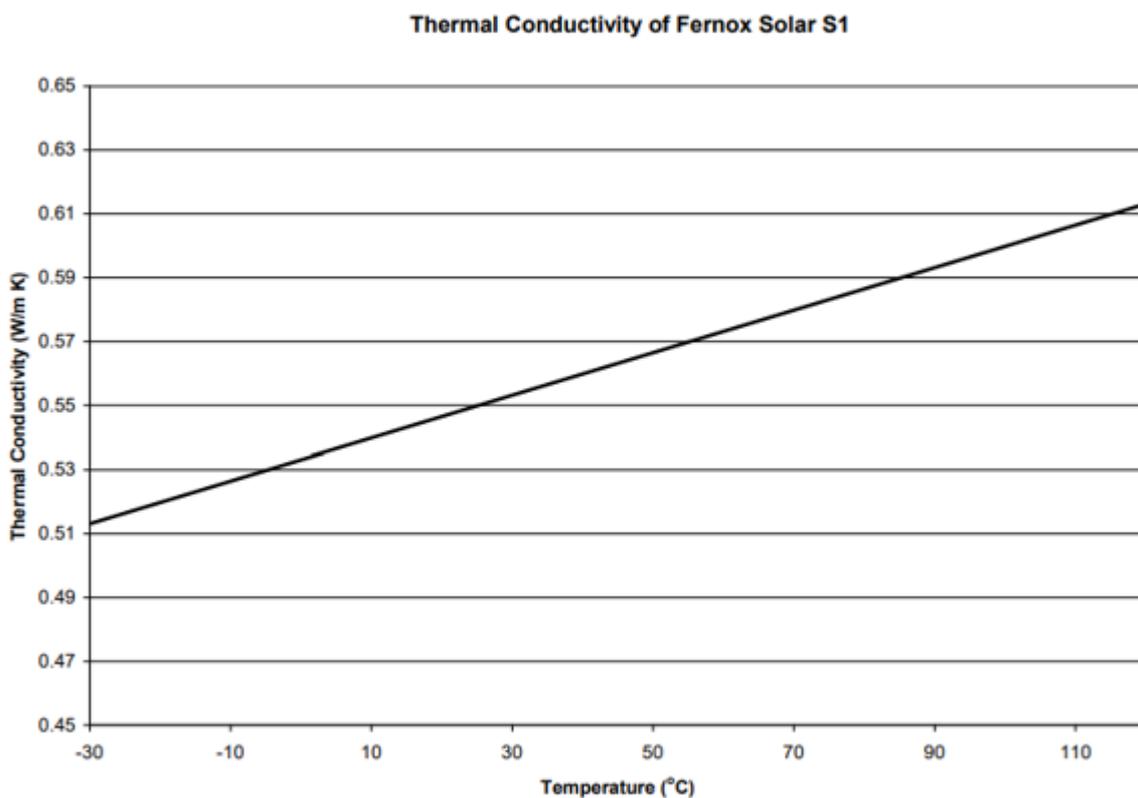
Specific Heat Temperature



Viscosity Temperature



Thermal Conductivity



Last modification

29-07-2021 (d/m/y)