

SOLUFLUID® -25°C

SOLUFLUID® -25°C is a ready-to-use heat transfer fluid based on Mono Propylene Glycol and corrosion inhibitors which has been specially formulated for use in solar thermal systems.

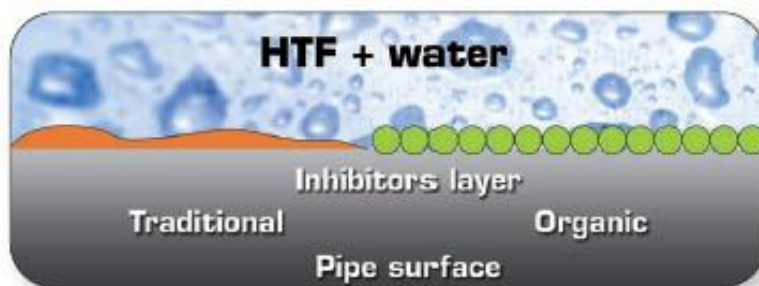


Benefits of SOLUFLUID® -25°C

- ✓ Highly efficient frost protection to -25°C
- ✓ Suitable for Flat Plate and Evacuated Tubes collectors
- ✓ Organic anti-corrosion inhibiting agents enhance protection of the system
- ✓ Reinforced protection against corrosion of all common metals used within solar circuits
- ✓ Biodegradable formula
- ✓ Suitable for use in food/drink production sites
- ✓ Red colouring makes it immediately identifiable
- ✓ Offers longer life protection in hard water areas compared with concentrates diluted with tap water

SOLUFLUID® -25°C offers a very efficient protection against frost and a reinforced protection against corrosion of the metals present in the system circuits therefore reducing the risk of formation of sludge within the collector and circuits.

**Advanced
inhibitor
protection**



The advanced anti-corrosion inhibition technology used in **SOLUFLUID® -25°C** is organic, based on neutralised carboxylic acids, without phosphates, nitrates, borax or amines. Our new package of organic corrosion inhibitors has two major advantages; a **longer lifespan** and **optimised heat exchange**.

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SOLUFLUID® -25°C

The **SOLUFLUID® -25°C** formula is authorised by the General Directorate of Health, in compliance with the advice from the French Agency for Food Sanitary Security, as a heat transfer fluid for thermal exchange.

PHYSIO-CHEMICAL PROPERTIES

Appearance	Red liquid
Density at 20°C (AFNOR NF R 15-602-1)	1,040 ± 0.005 kg/dm ³
Boiling temperature °C (AFNOR R 15-602-4) at atmospheric pressure	104 ± 2°C
pH value (AFNOR NF T 78-103)	7.5 to 8.5
Alkaline reserve on 20ml product (AFNOR NF T 78-101)	≥ 7
Surface tension at 25°C	32 dyne/cm
Freezing point °C (AFNOR NF T 78-102)	-25°C ±2°C
Viscosity (20°C)	4.1 cSt

Packing Options

- 20 litre and 200 litre non-returnable containers
- 1,000 litre IBC containers
- Bulk & tanker deliveries available

Solufluid® is also available as a concentrate

Charge Loss: When calculating the performance of an installation it is necessary to take into account the viscosity of the **SOLUFLUID® -25°C** mixture.

Recommendations for use of SOLUFLUID® -25°C

It is strongly recommended that the solar installation be thoroughly cleaned as follows before filling them with the **SOLUFLUID® -25°C**:

- Circulate water for 1-2 hours, then drain the installation quickly and fully at the lowest point
- Prepare the cleaning solution and let the product circulate for at least 2 hours
- Rinse thoroughly with water, drain fully at the lowest point
- Fill empty system with **SOLUFLUID® -25°C** as per MCS/BS/EN guidance.

It is important to drain and carefully rinse with water every time the system is cleaned.

SOLUFLUID® -25°C should not be mixed with other heat transfer fluids or topped up or diluted with water. Any maintenance or scheduled replacement should be using **SOLUFLUID® -25°C**.

Depending on the condition of the circuit, it may be necessary to clean several times.

In order to verify there has been no deterioration in properties, it is recommended to check the **SOLUFLUID® -25°C** concentration annually.

Note: The information contained in this product information sheet is the result of our studies and experience. It is provided in good faith but should not, under any circumstances, be taken to constitute a guarantee on our part or an assumption of our responsibility. This is particularly the case when third party rights are at stake or in situations where a user of one of our products fails to observe applicable regulations. Local regulations for the disposal of chemicals should be adhered to in all cases.

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