



Corrosion Protection

Thermatrans **SF50** Multi-metal corrosion inhibitor for closed circuit water systems

Description

Thermatrans SF50 is a concentrated water soluble liquid blend of corrosion inhibitors and pH buffers, designed to provide long lasting protection against corrosion in multi-metal closed circuit water systems, helping to maintain energy efficiency.

Features and benefits

The formulation of Thermatrans SF50 is based on modern organic acid technology (OAT) and free from borates, silicates, phosphates, nitrates, heavy metals and harmful amines. Thermatrans SF50 does not contain any CMR substances (Carcinogenic, Mutagenic, Reprotoxic).

Unlike existing products on the market the proprietary blend of corrosion inhibitors in Thermatrans SF50 work by forming a monolayer on metal surfaces and the formulation is free of gelating silicates, toxic nitrites and mutagenic borates.

- **Effective protection against corrosion**
- **Long lasting protection based on organic acid technology (OAT)**
- **Tested to and exceeds ASTM D-1384 standard test method for corrosion protection**
- **Protects commonly used metallic components typically used in closed circuit water systems, including aluminium**
- **High elastomer compatibility**

Available in container sizes 1 litre, 10, 20, 200 and 1000 litres (IBC) containers.

User guidelines

After cleaning and sanitising the closed circuit water system add Thermatrans SF50 as outlined below;

Dosage

- Multi-metal systems not containing aluminium: 1 litre of SF50 for every 100 litres system water.
- Multi-metal systems containing aluminium: 2 litres SF50 for every 100 litres system water.

Thermatrans SF50 is designed to provide protection against corrosion for long periods of time. In systems where there is already corrosion or scale, incompatibility within certain mixtures of fluids may occur, and could affect the resulting corrosion protection performance. In such cases, liability cannot be accepted.

Safety

Thermatrans SF50 multi-metal corrosion inhibitor must not be mixed with other chemicals unless specified by Kilfrost. Always keep out of reach of children. Read label before use. Safety data sheet available on request. Thermatrans SF50 has a shelf life of 2 years in closed original containers. Thermatrans SF50 should be stored at room temperature in sealed containers out of direct sunlight.

Test and monitoring

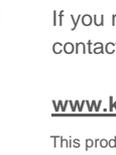
It is recommended to check the performance of the fluid at least once a year. Kilfrost offers test services to check the effectiveness of Thermatrans SF50 used in closed circuit water systems.

Property	Value
Appearance	Liquid – pale yellow (undyed)
Density @ 20°C	1.1 – 1.2 g/cm3
pH	8.5 - 9.0
Solubility in water	Fully miscible
Boiling point/range °C	~ 100 °C
Freezing point °C	~ 0 °C
Viscosity @ 20°C	~ 1 mPa.sec

All properties in concentrate form unless stated

The Kilfrost Speciality Fluids Division offers a range of chemical fluids and services which are used in a wide variety of heating and cooling applications.

Global leaders for over 80 years, the Kilfrost brand is synonymous with innovation and technical excellence and continues to lead the way in safety critical markets worldwide.



If you require any further technical, health and safety information or to receive a quotation, please contact Kilfrost: info@kilfrost.com Tel: +44 (0)1434 320 332 Fax: +44 (0)191 230 0426

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This product is manufactured in a plant whose quality management system is certified/registered as being in conformity with ISO 9001