

Sentinel Ferroquest™

Neutral Descaler for Central Heating Systems

Features & Benefits

- Effectively removes iron and calcium based deposits
- Neutral cleaner
- No neutralisation procedure is needed
- Mild steel passivator
- Safe and easy to handle
- Helps restore circulation

Application

Sentinel Ferroquest™ is a powerful highly active cleaning agent for use in central heating systems. It is specifically designed to remove objectionable iron oxide or calcium based deposits from heat exchangers, radiators and pipe work. Its unique composition allows Sentinel Ferroquest to act as a complexing and penetrating dispersant under neutral pH conditions, eliminating the need for conventional acid cleans and the problems associated with them. During the clean, passivation of the freshly exposed mild steel surface takes place.

Sentinel Ferroquest is suitable for use with all commonly encountered metals and alloys. Aluminium may be cleaned, but a maximum cleaning time of 3 hours is recommended.

Dosing & Feeding

Sentinel Ferroquest should be dosed at 1% of system volume, i.e. 1 litre per 100 litres of system water. To clean an existing system in accordance with BS7593, Sentinel Ferroquest should be circulated, preferably at normal operating temperature, with all valves open and the pump turned to maximum flow for a minimum period of 1 hour or until satisfactory performance is restored.

Where systems are badly fouled, a 2% solution, i.e. 2 litres per 100 litres of system water, is recommended but the product will not clear a completely blocked pipe.

Also for systems greater than 50,000 BTUs a 2% solution, i.e. 2 litres per 100 litres of system water should be used.

More rapid cleaning may be carried out if Sentinel Ferroquest is used in conjunction with a power flushing device.

After cleaning, the system should be drained and flushed until the water runs clear. On refilling, the system should be treated with Sentinel X100 inhibitor, or Sentinel X500 inhibited antifreeze.

Open Systems: Dose via F&E cistern, via a bypass feeder or use a Sentinel Dosing Vessel.

Sealed Systems: If the system is empty, add to any convenient point before filling. If full, use a Sentinel Dosing Vessel to inject via the filling loop or other access point.

Physical Properties

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|---------------------|------------------------|
| • Appearance: | Yellow to amber liquid |
| • Odour: | Mild |
| • Specific gravity: | 1.18 (20°C) |
| • pH (concentrate): | 8.2 (approx) |
| • Freezing point: | -8°C |

Packaging

- 1 litre bottle
- 20 litre cubitainer

Safety Procedures

The information provided overleaf enables compliance with the Control of Substances Hazardous to Health Regulations. Full Material Safety Data Sheets are available upon request.

Sentinel Ferroquest

Neutral descaler	An aqueous solution of synthetic organic chelants, wetting agents, and corrosion inhibitors.
Health Hazards	R36 : Irritating to eyes.
Handling	Ensure good ventilation during cleaning. Avoid contact with skin and eyes. Wear suitable protective clothing, gloves and eye/face protection Keep out of reach of children and animals. Wash out empty container thoroughly with water before disposal.
Storage	Keep container tightly closed. Store in cool, well ventilated area.
Spillage	Absorb on to inert material and dispose of according to Special Waste Regulations.
Fire/Explosion Risks	Non-flammable
First Aid	<p>Skin Exposure: Immediately remove all contaminated clothing. Wash exposed area immediately with plenty of soap solution or water for 15 minutes.</p> <p>Eye Exposure: Flush immediately with plenty of running water for 15 minutes. Seek medical attention.</p> <p>Ingestion : Do not feed anything by mouth to an unconscious or convulsive victim Do NOT induce vomiting! Immediately seek medical advice. If victim is fully conscious dilute contents of stomach using 3-4 glasses of water.</p> <p>Inhalation: Remove victim from contaminated area to fresh air. Apply appropriate first aid treatment as necessary.</p>