

## Sentinel X300 Cleaner For New Systems

For the removal of flux residues, grease, oil and installation debris

To remove harmful installation debris, greases, fluxes and copper filings and to prepare the system for protection with X100 Inhibitor, major boiler manufacturers recommend that new systems should be cleaned with Sentinel X300 Cleaner For New Systems.

- **Contains emulsifiers**

Removes oil and greases from new radiators and components.

- **Contains dispersants**

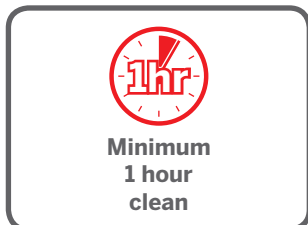
Lifts and retains insoluble dust, flux and copper fillings for removal from system.

- **Protection preparation**

Begins the passivation of new metal surfaces ready for long term protection treatment.

- **Boiler manufacturer recommended**

Meets commissioning requirements to minimise risk of invalidating boiler warranty.



### The Sentinel System

Lifetime protection for heating and hot water systems using the best practice process of...



**CLEAN**  
WITH  
APPROPRIATE  
CLEANER



**PROTECT**  
WITH X100  
INHIBITOR



**MAINTAIN**  
WITH  
TEST KIT

## Application

Sentinel X300 has been formulated as a cleansing aid for new central heating systems and those up to 6 months old. It will effectively remove excess flux residues, greases, oily contaminants and other installation debris. Sentinel X300 passivates the metal surfaces in the system and helps prevent copper deposition, which frequently causes severe pinhole corrosion in radiators. Sentinel X300 is a pH-neutral formulation that can be used in all types of indirect heating systems including those containing aluminium components.

## Dosing

1 litre of Sentinel X300 is sufficient to treat a typical domestic system of 8 to 10 radiator panels. Larger systems should be dosed with 2 litres. If the system is new, this should be at the time it is first filled. For best results, the water should be circulated at normal operating temperature for between 1-2 hours but no longer than 24 hours. If it is not possible to heat the water, the circulation time must be compensated for by extending the time to at least 24 hours but no longer than one week. Drain and flush the system before refilling and treating with Sentinel X100 Inhibitor or Sentinel X500 Inhibited Antifreeze.

**Open Systems:** Dose via F&E cistern, via a by-pass 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

**Appearance:** Clear, colourless to pale yellow liquid

**Specific gravity (25°C):** 1.1 (approx.)

**pH (25°C):** 6.7 (approx)

**Freezing point:** -14°C

## Safety precautions

The information provided below enables compliance with the Control of Substances Hazardous to Health Regulations. A full Safety Data Sheet is available upon request.

|                             |  |
|-----------------------------|--|
| <b>Description</b>          | <b>New System Cleaner for central heating systems</b><br>An aqueous solution of phosphate, organic heterocyclic compounds, polymers and organic bases.   |
| <b>Health hazards</b>       | Not for use in potable water systems. Not considered hazardous to health.  |
| <b>Handling</b>             | Avoid contact with skin and eyes. Keep out of reach of children and animals.<br>Wash out empty container thoroughly with water before disposal.  |
| <b>Storage</b>              | Keep container tightly closed. Store in cool, well ventilated area.  |
| <b>Spillage</b>             | Flush spillage with plenty of water and wash to waste.   |
| <b>Fire/explosion risks</b> | Non-flammable.   |
| <b>First aid</b>            | Skin Exposure: Wash immediately with plenty of water.<br>If irritation develops, seek medical attention.<br>Eye Exposure: Flush immediately with plenty of running water.<br>Keep eyelids apart.<br>Seek medical advice.<br>Ingestion: Rinse mouth with water. Do NOT induce vomiting!<br>Seek medical advice. |

The use of Sentinel water treatment is endorsed by the industry's major international manufacturing companies\*



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