

Defender Inhibitor

Water Treatment for Hydronic Heating Systems

Defender Inhibitor is a water treatment formulation for water-based heating systems to protect piping and system components against corrosion and limescale. Defender Inhibitor is suitable for both hard and soft water types and is non-toxic and biodegradable.

Dosing with inhibitor and regular system maintenance are critical measures required to satisfy the terms of warranties provided by hot water heater and system component manufacturers.



Suitable for Heating and Cooling Systems

Defender Inhibitor is suitable for mixed metal and plastic components in commercial heating and closed cooling systems. It protects clean systems against limescale and corrosion.

Proven anti-corrosion formulation.

Defender Inhibitor contains powerful inhibitors which protect all common metals found in heating systems, including aluminium.

Scientifically formulated to maintain correct pH levels

Radical pH variations contribute to elevated levels of corrosion. Defender Inhibitor protects valuable system components by maintaining a balanced pH.

Limescale inhibitors

The inhibitors in Defender Inhibitor prevent the buildup of Limescale which would otherwise have a detrimental effect on system efficiency and performance.

The Defender System

Ongoing protection for water heaters, piping and system components.



Clean

with Defender System Cleaner



Protect

with Defender Inhibitor



Monitor

using test kit and treat as needed

Product Benefits

Long-term protection of mixed metal and plastic central heating systems against corrosion and limescale. For use in accordance with BS7593:2006. Buildcert approved.

Directions for Use

Treat via a dosing pot. Shake the container and dose at 1% of system volume; ie. 1 litre per 100 litres of system water. After treatment, ensure to remove trapped air from the system.

Dose Rate

Minimum dosage rate: 1% of system volume.

Physical and Chemical Properties

Appearance	Liquid
Colour	Straw
Odour	Mild Aromatic
pH	8
Relative Density	1.08
Solubility (Water)	Soluble in cold and hot water

Packaging

Defender is available in 500ml, 10L and 20L sizes.

Safety

Safety data sheet available on request.
Do not use with PRIMATIC single-feed cylinders.

Description	Defender Central Heating Inhibitor 0.5% v/v addition EAN 5024227991304 - 500ml 1% v/v addition EAN 5024227991106 - 10L EAN 5024227991205 - 20L
Health Hazards	Not for use in potable water systems. Not considered hazardous to health.
Handling, Storage and Disposal	Avoid spilling, skin and eye contact. Keep out of reach of children. Store in tightly closed original container in a dry, cool and well ventilated place. Keep away from freezing, store at temperature above 5°C. Dispose of contents/container in accordance with national regulations.
Spillage	Absorb spillages into sand, earth or any suitable absorbent material. Wash spill area with soapy water.
Fire-fighting Measures	This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.
First Aid	<p>General notes - Low toxicity, not generally irritating to the skin, however as a general precaution avoid prolonged contact with the product</p> <p>Inhalation - Remove to fresh air. Treat any irritations symptomatically. If necessary consult a doctor</p> <p>Skin Contact - Wash off immediately with plenty of soap and water</p> <p>Eye Contact - Irrigate with cool water for at least 20 minutes</p> <p>Ingestion - DO NOT INDUCE VOMITING. Rinse with copious amounts of water. Drink 2 glasses of water. Seek medical attention</p> <p>Self-protection of the first aider - Wear protective clothing</p>

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