



## ReDiant® C5 Central Heating Cleaner

### NEUTRAL, CONCENTRATED CENTRAL HEATING CIRCUIT CLEANER

ReDiant® C5 Cleaner is a neutral, concentrated, inhibited, and non-foaming liquid cleaner designed to remove limescale, corrosion products, debris, and sludge from domestic central heating systems.

### Description

ReDiant® C5 delivers smooth, fast-acting, and non-aggressive cleaning of radiators, piping, and heating equipment, including boilers running on solid, gaseous, and liquid fuel, air to water, and geothermal heat pumps. The cleaner removes sludge, limescale, deposits, and debris from existing heating systems and restores circulation to radiators and pipework.

ReDiant® C5 is formulated to be free of strong acids and, with the addition of corrosion inhibitors, thus, it is compatible with all metals and non-metallic materials commonly used in central heating systems like carbon steel, copper, aluminium, brass, and rubber materials. The product performs the same in hard, softened, or demineralized water.

ReDiant® C5 is used for flushing old heating systems despite the degree of contamination. Also, for preparation of new central heating systems before exploitation. Cleaner C5 is particularly effective when used in conjunction with a power-flushing unit.

### Advantages

- Concentrated – 500 ml treats a system of up to 130 litres
- pH-neutral formulation
- Non-acid treatment
- Robust buffering properties – not allows pH to rise or drop significantly
- It helps to eliminate radiator cold spots
- Effective in hard, softened, and demineralized water
- Ideal for all types of heating systems, including aluminium based
- Suitable for use with all known power flushing machines
- Free of borates, nitrates, nitrites, and EDTA
- A non-hazardous mixture, according to Regulation (EC) No. 1272/2008

### Physical data

Appearance	Light yellow to brownish-yellow liquid
Density (at 20 °C)	1.10 ± 0.05
pH	6.0 – 7.0
Freezing point	- 10 °C
Soluble in water in all proportions	

### Dosage recommendations

500 ml of ReDiant® C5 Cleaner is sufficient for systems up to 130 litres in volume (up to 16 radiators or 250 m<sup>2</sup> of underfloor heating). The cleaner dosage is about 3500 g/m<sup>3</sup>, but in the case of highly sludge-contaminated systems, the recommended dosage is 7000 g/m<sup>3</sup>.

Repeated cleaning may be necessary. Before use, it is required to drain the system, fill it with clean water, and then add the cleaner. For open heating systems, pour the cleaner in through the expansion tank; for sealed systems, it should be added via the fill hose, radiator, coil, or magnetite filter. In single-feed indirect cylinders, potable water treatment chemicals must be applied.

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Circulate the cleaner in new systems for at least 1 hour under normal heating conditions and up to 1 week in heavily contaminated systems. After that, drain the water and, in parallel, fill the system with clean water until contaminants wash out and the water becomes clear, or use powerful flushing equipment for faster and more effective flushing.

## Health and Safety

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Avoid contact with skin and eyes. Keep out of the reach of children.

**Contains:** *reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one [EC No. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No. 220-239-6] (3:1).* May cause an allergic reaction.

## Packaging and Handling

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**ReDiant® C5 Cleaner** is packed in **500 ml** volume bottles. It is recommended to be stored at temperatures above freezing. Provided it is stored properly and is kept tightly sealed a shelf life of at least two years in its original packaging.

*[Read Material Safety Data Sheet for detailed handling and storage precautions.](#)*