

Innovative Central Heating Cleaning and Protection Products from *Aqueous Logic*

Aqueous Logic offer a suite of products to meet the varying needs of cleaning old and new systems. All of our cleaning products are designed with safety and ease of use in mind. For this reason, our products mainly contain food additives and preservatives, and do not contain acids or alkalis that can cause skin burns. Our products are highly effective and have been used in industrial applications for decades. They are formulated to gently lift deposits and sludges to give maximum cleaning control. Our products are not aggressive: they use time, flow and heat to clean.

Central Heating Corrosion Inhibitor

Aqueous Logic ***Central Heating Corrosion Inhibitor*** is an effective and well-tested treatment for protection of indirect central heating systems, including those containing aluminium.

- **Protects against scale, corrosion and bacteria growth**
- **Add decades to system working life**
- **Ensures efficient system operation and reduces fuel bills**
- **Includes a simple control test to ensure correct dosage**

Non Corrosive Super Cleaner

Aqueous Logic ***Non Corrosive Super Cleaner*** is a general cleaner that is ideal for cleaning new systems prior to commissioning and for restoring old systems that may have leaks that hard rust has filled in.

- **Removes flux residues, greases, oily contaminants, sludge and debris**
- **Restores heat and flow to old systems**

Non Acid Sludge Dissolver

Aqueous Logic ***Non Acid Sludge Dissolver*** is a tuned cleaning product formulated for the effective cleaning of existing central heating systems where there is a significant amount of corrosion.

- **Selectively dissolves iron and copper oxides**
- **Removes bacterial growth**
- **Restores heat and flow to old systems**
- **Easy to flush – sludge is dissolved and carried in solution**

Non Acid Descaler

Aqueous Logic ***Non Acid Descaler*** is a tuned cleaning product formulated for the effective cleaning of existing central heating systems where there is a significant amount of scale build-up.

- **Dissolves rusts, copper oxides, and hardness scales.**
- **Restores efficient boiler operation**
- **Eliminates "Kettling"**

Central Heating Corrosion Inhibitor

General Description

Aqueous Logic **Central Heating Corrosion Inhibitor** is an effective and well-tested treatment for protection against scale, corrosion and bacteria growth in all types of indirect central heating systems, including those containing aluminium. It can add decades to system working life, maintain efficient system operation, and minimise energy usage.

- **Prevents scale, corrosion and microbiological growth**
- **Suitable for all metals including aluminium**
- **Helps prevent the formation of hydrogen gas**
- **Includes a simple control test to ensure correct dosage**
- **Low toxicity, non-hazardous formulation**
- **Suitable for use in hard and soft waters**

Dosage

Aqueous Logic **Central Heating Corrosion Inhibitor** should be dosed at 1% of system volume (e.g. 1 litre treats 100 litres of system water). No problems will occur through overdosing.

Physical Properties

Appearance:	Clear colourless to pale yellow liquid
Odour:	Mild
pH:	Neutral

Packaging

Available in 1 litre bottles and 25 litre containers

Application

For best results, systems should be cleansed and flushed in accordance with BS7593: 1992. Dose via feed and expansion tank, through radiator, filling loop, or other appropriate access point as per BS7593: 1992.

Control Test

Dip the test strip provided in treated water for 1 second, shake off excess liquid and after 30 seconds compare against colour scale on product label.

Non Corrosive Super Cleaner

General Description

Aqueous Logic **Non Corrosive Super Cleaner** is a general cleaner that has been formulated to remove flux residues, greases, oily contaminants, sludge and debris, but not to dissolve hard deposits that are preventing leaks. It is a non-acid formulation and can be used in all types of central heating systems including those containing aluminium. It is ideal for cleaning systems prior to commissioning and for restoring old systems that may have leaks that hard rust has filled in.

- **Safe to use, Non acid and environmentally sound**
- **Suitable for all metals including aluminium**
- **Designed to keep pin holes and leaks sealed**
- **Can be used in power flush machines**
- **Does not require neutralisation**
- **Can be left in system for up to 6 months**

Dosage

Aqueous Logic **Non Corrosive Super Cleaner** should be dosed at 1% of system volume (e.g. 1 litre treats 100 litres of system water). No problems will occur through overdosing.

Physical Properties

Appearance:	Yellow to brown multi-layer liquid
Odour:	Mild
pH:	Neutral

Packaging

Available in 1 litre bottles and 25 litre containers

Application

If the system is new, this should be at the time it is first filled. **Non Corrosive Super Cleaner** should be circulated with all valves open for a minimum period of one hour. Heating the water will assist the cleaning process.

To clean an existing system in accordance with BS7593: 1992, Aqueous Logic **Non Corrosive Super Cleaner** should be circulated, preferably at normal operating temperature, with all valves open and the pump turned to a maximum flow for a minimum period of 2 hours or until satisfactory performance is restored. Can be left in the system for up to 6 months if added with inhibitor.

In both instances drain and flush the system before refilling and treating with **Central Heating Corrosion Inhibitor**.

Non Acid Sludge Dissolver

General Description

Aqueous Logic **Non Acid Sludge Dissolver** is a tuned cleaning product formulated for the effective cleaning of existing central heating systems where there is a significant amount of corrosion. It selectively **dissolves** iron and copper oxides to safely restore heat and flow. It is a non-acid formulation based on food additives, and can be used in all types of central heating systems including those containing aluminium.

- **Safe to use, Non acid and environmentally sound**
- **Suitable for all metals including aluminium**
- **Eliminates bacterial growth**
- **Designed to keep pin holes and leaks sealed**
- **Can be used in power flush machines**
- **Does not require neutralisation**
- **Easier to flush than competitors dispersant action products (sludge removers)**

Dosage

Aqueous Logic **Non Acid Sludge Dissolver** should be dosed at 1% of system volume (e.g. 1 litre treats 100 litres of system water).

Physical Properties

Appearance:	Clear yellow multi-layer liquid
Odour:	Mild
pH:	Neutral

Packaging

Available in 1 litre bottles and 25 litre containers

Application

To clean an existing system, Aqueous Logic **Non Acid Sludge Dissolver** should be circulated, preferably at maximum operating temperature, with all valves open for a minimum period of 2 hours or until satisfactory performance is restored. Where systems are badly fouled a longer period of circulation is recommended. Please note that the product is unlikely to clear a completely blocked pipe.

We recommend flushing the system to remove the dissolved sludge, refilling, and treating with Aqueous Logic **Central Heating Corrosion Inhibitor**.

As Aqueous Logic **Non Acid Sludge Dissolver** completely dissolves the sludge rather than simply suspending it in water, the flushed water will appear murky/clear yellow rather than black as with other cleaners.

Non Acid Descaler

General Description

Aqueous Logic **Non Acid Descaler** is a tuned cleaning product formulated for the effective cleaning of existing central heating systems where there is a significant amount of scale build-up. It is designed to dissolve hardness scales, and to a lesser extent, rusts and copper oxide deposits. It is a non-acid formulation based on food additives, and can be used in all types of central heating systems including those containing aluminium.

- **Safe to use, Non acid and environmentally sound**
- **Suitable for all metals including aluminium**
- **Can be used in power flush machines**
- **Does not require neutralisation**

Dosage

Aqueous Logic **Non Acid Descaler** should be dosed at 1% of system volume (e.g. 1 litre treats 100 litres of system water). No problems will occur through overdosing.

Physical Properties

Appearance:	Clear colourless liquid
Odour:	Mild
pH:	Neutral

Packaging

Available in 1 litre bottles and 25 litre containers

Application

To clean an existing system, Aqueous Logic **Non Acid Descaler** should be circulated, preferably at normal operating temperature, with all valves open for a minimum period of 2 hours or until satisfactory performance is restored. The time taken for boiler noise to reduce/be eliminated will depend on the hardness and quantity of lime scale present.

We recommend flushing the system to remove the dissolved scale, refilling, and treating with Aqueous Logic **Central Heating Corrosion Inhibitor**.