

# SpiroPlus PowerCleaner

## pH-neutral

### Application

SpiroPlus PowerCleaner is a liquid, highly concentrated detergent for removing iron contamination and lime deposits from radiators, pipes and heat exchangers in water-carrying systems.

Removal of the contamination takes out the restraints in the pipes and ensures optimum heat transfer. This results in a reduced use of energy.

SpiroPlus PowerCleaner can be used with all metals usually found in water-carrying systems, such as carbon steel, galvanised steel, stainless steel, copper, copper alloys and aluminium.

SpiroPlus PowerCleaner can also be used to flush out new systems before they are put into use. This will help to efficiently remove any soldering fluid residues, flash rust and other mild pollutions.

### Specifications

SpiroPlus PowerCleaner has been composed based on a wetting agent, complexants and specifically selected dispersing substances.

### Dosage

The recommended concentration of SpiroPlus PowerCleaner is 1% v/v for cleaning complete systems and boilers. This means that for a standard domestic heating system of up to 10 radiators, a dosage of 1 litre is sufficient for proper protection. Heavily contaminated systems may require a higher concentration for an adequate result.

The cleaning performance of the product can be accelerated by circulating the solution at normal operating temperature with a minimum contact time of 1 hour or until the

acceptable performance of the system has been achieved.

After cleaning, first empty the system and flush it at least 3 times until clear water is obtained.

The drain water does not have to be neutralised and can be discharged into the sewage system. As a result, the process is easy to complete and requires a minimum amount of actions.

We recommend adding SpiroPlus Protector when the newly cleaned system is put into operation, in order to prevent new corrosion and lime scale deposits.

### Checking

The effect of SpiroPlus Mild Cleaner can be measured by determining the amount of active components present in the system water.

### Safety regulations

SpiroPlus PowerCleaner is a safe product. Nevertheless, if there is any contact with the skin or the eyes during use, it is always advisable to amply rinse with water. As always when working with additives, we advise to wear appropriate clothing, gloves and goggles when handling the product.

### Packaging

SpiroPlus PowerCleaner is available in polyethylene containers of 1, 10 and 200 litres.

### Remarks

For further information please contact Spirotech bv.

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