

# SpiroPlus AntiFreeze

## **Application**

SpiroPlus AntiFreeze is a highly concentrated treatment product for protecting closed water-carrying systems.

This product is used in water-carrying systems, which may be sensitive to freezing (e.g. air-cooled cooling systems, heat pumps). When using SpiroPlus AntiFreeze, the system does not need emptying in periods of inactivity without the risk of causing damage to the system.

The degree of dilution of SpiroPlus AntiFreeze determines the temperature to which the system is protected against freezing. As a diluent you can use both hard (max. total hardness of 100ppm CaCO<sub>3</sub>) and softened water.

## **Specifications**

SpiroPlus AntiFreeze is a highly concentrated mixture based on monopropylene glycol and a stabiliser for hardness.

Besides, SpiroPlus AntiFreeze prevents uncontrolled destabilisation of the hardness salts, thus retaining maximum thermal heat transfer.

## **Checking**

The dosage can be adjusted through determination of the freezing point.

## **Dosage**

The dosage of SpiroPlus AntiFreeze strongly depends on the required lowering of the freezing point, as shown in the table below:

Freezing point in °C	Dosage in %v/v
- 8	25%
- 13	35%
- 18	40%
- 28	50%

Concentrations of SpiroPlus AntiFreeze below 25 and above 50% (v/v) are advised against.

## **Safety regulations**

Spiroplus AntiFreeze 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.

## **Packaging**

SpiroPlus AntiFreeze is available in polyethylene containers of 1, 10, 25 or 200 litres or containers of 1000 litres containers.

## **Remarks**

Before filling the system, clean the entire system in order to remove all rust particles.

Additionally, we advise you to install a dirt separator for retaining the optimum quality of the glycol solution.

If the product is used in a system in which the temperature of the walls may exceed 40°C, using an additional corrosion protection such as SpiroPlus Protector is required.

For further information please contact Spirotech bv.

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