

## PRODUCT DATA HA33

### Product Uses

HA33 is a non - oxidising biocide based on a mixture of Isothiazoline and Glutaraldehyde and is used to control bacteriological growth within cooling systems, closed heating and chilled water systems and other industrial processes.

HA33 is active over a broad pH range and has been shown to be effective against the Legionella bacterium.

### Product Application and Uses

HA33 is normally shot dosed at regular intervals to the system. The quantity of HA33 required will vary according to system conditions and the level of organic fouling. The volume of HA33 required will be calculated upon the system volume and the retention time.

HA33 can be injected directly from the drum or from a dosing tank using a dosing pump for cooling systems and shot dosed (using a dosing pump or dosing pot) for closed water systems.

Wherever possible, HA33 should be dosed automatically.

HA33 is compatible with other products to form part of a water treatment programme for cooling systems and other water systems, to comply with the HSC Approved Code of Practice & Guidance – The control of legionella bacteria in water systems.

### General Specification

Colour:	Pale green	pH:	3 - 6
Odour:	Characteristic odour	Form:	Liquid
S.G. at 20°C:	1.015 - 1.020		

### Packaging, Storage & Handling

HA33 is delivered in 25 kg or 210 kg drums and should be stored in a dry area.

Avoid storing HA33 in areas susceptible to frost and excessive heat.

HA33 is classified as harmful, so avoid contact by wearing suitable protective clothing, gloves and eye goggles in accordance with the relevant BS EN standards.