

ST224

ST224 is an aqueous solution of sodium bromide designed to be used as a precursor in the generation of hypobromous acid (HOBr) in cooling water systems. A biofilm penetrant together with a dispersing agent are incorporated into the product to disrupt and disperse biofilms.

The bromide ion, when mixed with chlorine or a hypochlorite species, is converted to hypobromous acid. Hypobromous acid is preferred over hypochlorous acid due to the greater efficiency of HOBr at higher pH and its lower environmental impact.

ADVANTAGES

effective at high pH
 reduced cost at high pH
 more environmentally acceptable than chlorine

HOW MUCH TO USE

To achieve correct ratio of hypochlorite to **ST224** in the system, a mixture of two parts of **ACTIVATOR 75** to one part of **ST224** is required.

When **ACTIVATOR 150** is used, the proportion to **ST224** is one to one.

PROPERTIES

Appearance:	Clear pale green liquid
Odour:	Slight
pH of neat product:	6.0 – 8.0
Specific gravity:	1.15 – 1.25
Solubility:	Complete miscible

HANDLING AND STORAGE

ST224 has a low toxicity but standard precautions should be taken when handling all chemicals. Wear gloves and goggles. Consult SDS for further information.

PACKAGING

ST224 is available in 25 litre drums.