



# ABS WATER TECH INDIA PRIVATE LIMITED

NEW #6 (OLD#17) FIRST FLOOR, 2ND CROSS STREET, DEFENCE COLONY, GUINDY, CHENNAI-600032

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## PRODUCT DATA SHEET OF ABS – CHILLCHEM 100

### PRODUCT INFORMATION:

ABS – CH-100, CLOSED-LOOP CORROSION INHIBITOR

### DESCRIPTION:

ABS-CH-100 is a liquid blend of sodium nitrite, sodium borate, metal inhibitor and a dispersant.

It is a non-chromate inhibitor, specially formulated for corrosion in copper, steel and multi-metal systems, whether they are airtight or not.

ABS-CH-100 is a corrosion inhibitor for use in chilled-water closed loops, hot-water recirculating boilers, and above-ground thermal storage systems. This product provides effective corrosion protection for metals typically found in closed-loop systems. In addition, ABS – CH - 100 contains a borate buffer to maintain pH of the recirculating water in the range of 8.5 to 10.5.

Provide corrosion protection in the piping of thermal storage units and large closed loops. Prevents exchangers and zone valves from plugging due to corrosion. Reduces corrosion damage to water pump impellers and seals. Non-chromate formula contains no heavy metals.

### PROPERTIES:

APPEARANCE	Clear Liquid
COLOUR	Yellow Colour
SOLUBILITY	Completely soluble in water
SPECIFIC GRAVITY	1.20 - 1.30 @ room temperature
pH-VALUE	10.50 to 12.5

**NOTE:** Not for use in or for contact with potable water systems or domestic water sources. Not for use in electric steam boilers.

**KEEP FROM FREEZING:** If this product is stored in cold or freezing temperatures, it may separate or thicken. This will not harm the performance. Before using, warm to room temperature and stir thoroughly.

### PRODUCT DOSAGE:

The initial dosage of ABS – CH - 100 is 1 liter for each 1000 liters of water in the system (1100ppm). This will provide a sodium nitrite residual of 275 ppm as  $\text{NaNO}_2$ .

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The maintenance dosage is 1 gallon of ABS – CH - 100 for each 1000 gallons of makeup water added to the system. The sodium nitrite level should be maintained in the range of 250ppm to 400ppm. The pH of the recirculating water should be in the range of 8.5 to 10.5. Do not allow the pH to drop below 8.0

## SYSTEM OPERATING PARAMETERS

Maximum water temperature: 350°F

## PRODUCT CONTROL PARAMETERS:

Nitrite as  $\text{NaNO}_2$  : 225 to 400 ppm

Recirculating water conductivity: 3500 Micro ohm or less

Recirculating water pH : 8.5 to 10.5

## METHOD OF FEED:

Feed ABS – CH - 100 to the closed-loop system using a by-pass pot feeder. For above-ground thermal storage systems, add the product at the time the system is initially charged with water.

## HANDLING INSTRUCTIONS

Keep the container away from direct heat & sunlight. The product should not be swallowed and prolonged contact with the skin should be avoided. Should it come in contact with the eyes, flush with clean, cold water and get medical attention.

# ABS