

S756

## NO. 87 COOLING WATER COMPOUND WITH TRACER

This product is a concentrated corrosion and scale preventative compound for cooling towers and condenser feed water. It is ideally suited for use in open recirculating cooling towers.

It contains anti scaling agents, cathodic and anodic inhibitors and will prevent corrosion of both steel and soft metals. It allows high cycles of concentration by controlling alkalinity. Contains fluorescein tracer to allow for easy monitoring.

### DIRECTIONS:

Dosage rate will vary according to local operating conditions and cycles of concentration. As an initial treatment, add 1 part product to each 2000 parts of water in the system.

Maintain dosage amount at the same rate with respect to the volume of make-up water times the cycle of concentration.

Example: Two cycles of concentration - 1 part to 4000 parts of water.

Three cycles of concentration - 1 part to 6000 parts of water.

The product can be added manually or with automatic continuous feeding equipment.

The feed rate should be adjusted to maintain the specifications listed below.

The daily analysis of the cooling water should include tests for alkalinity, pH and organophosphonates or phosphates. Periodic tests should also be done on the alkalinity of the feed water.

### SPECIFICATIONS:

pH should be in the range of 7.5 – 8.5.

Conductivity should be set in the range of 900 - 950 umhos.

M-alkalinity should be in the range of 50 - 150 ppm. This reading however should be taken in context with the other readings and consideration must be given to the natural alkalinity in the feed water.

Organo Phosphonate Test Kit: the results should be 25 - 30 ppm. The type of phosphonate is AMP (NTP).

If testing for orthophosphate, the results should be 15 - 20 ppm as PO<sub>4</sub>.

When using a fluorometer, 100 ppb fluorescein is equivalent to 25ppm phosphonate, or 1:2000 dilution. Similarly, 50ppb fluorescein is equivalent to 12ppm phosphonate, or 1:4000 dilution.

**NOTE:** Not for use in potable water systems.

FOR COMMERCIAL USE

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Intertek