

## **CHLORAMINE-T**

A safe, effective, non-corrosive additive for use in most re-circulating systems when used as directed. Can be used as a shock treatment, or as a preventative treatment at a dosage of 1 gram per gallon of system volume.

**Empirical Formula:** C<sub>7</sub>H<sub>7</sub>SO<sub>2</sub>N NaCl (3H<sub>2</sub>O)

**Appearance & Properties:**

**Physical Appearance:** White Crystalline Powder

**Molecular Weight:** 281.69 grams/mole

**Stability:** Stable at temperatures below 60°C. Decomposes slowly in aqueous solutions if temperatures are greater than about 70°C. Powder should not be heated or held at temperatures over 130°C (266°F).

**Solubility in Water:** 15% @ 25°C

**Solubility in Organic Solvents:** Insoluble in benzene, chloroform and most ethers, soluble 7.5% in 95% alcohols @ 20°C (with decomposition).

**Compatibility:** Must be tested on an individual basis. May not be compatible with some reducing agents or ammonia compounds.

**Stability:** Stable in aqueous solutions at or under about 60°C. If held from direct sun light and kept at moderate temperatures a 1% solution is 90+% stable for many months.

**Typical Analysis:** A. Iodometric titration of available chlorine

**Typical Analysis** --- 25.0%

**Color** --- White crystalline powder, max. 50 APHA, 5% solution.

**pH** --- Range (7 to 9) typical 8.5 (1 gram in 400 grams of water).

Please visit [www.Optishield.net](http://www.Optishield.net) for more information.