



## 5-chloro-2-methyl-4 -isothiazolin-3-one and 2-Methyl-4-isothiazolin-3-one [CIT/MIT]

### **SYNONYMS:**

Isothiazolinones;3(2H)-Isthiazolone,5-chloro-2-methyl;2-Methyl-3(2H)-Isouthiazolone

### **CAS No:**

26172-55-4 & 2682-20-4

### **MOLECULAR FORMULA:**

C<sub>4</sub>H<sub>4</sub>CINOS

### **PROPERTIES:**

Isouthiazolinones is composed of 5-chloro-2-methyl-4-thiazoline-3-ketone (CMI) and 2-methyl-4-thiazoline-3-ketone (MI). The bactericidal effect of Isothiazolinones is carried out through breaking the bond between bacteria and algae protein. When contacted with microbes, Isothiazolinones can quickly inhibit their growth, thus leading to death of these microbes. Isothiazolinones has strong inhibition and biocidal effects on ordinary bacteria, fungi and algae, and has many advantages such as high biocidal efficiency, good degradation, no residual, safety in operation, good compatibleness, good stabilization, low cost in operation.

Isouthiazolinones can mix with chlorine and most cation, anion, and non-ionic surfactants. When used at high dosage, its biosludge stripping effect is excellent .It is a kind of fungicidal with properties of broad spectrum, high efficiency, low toxicity and non-oxidative, it is the ideal biocidal in industrial circulating cool water system and in wastewater treatment in oilfield, papermaking, pesticide, cutting oil, leather, detergent and cosmetics etc..

### **SPECIFICATION:**

Appearance	Yellow solution
Active Content	>= t14%
Ratio of CMI to MI	2.5 – 4.0
pH value	2.0 – 5.0
Density	1.26 - 1.33

**USAGE:**

Water treatment, pulp & paper, paint & coatings, textile, plastics, leather, wood preservation, personal care, cosmetics, metal working fluid, adhesive, latex emulsion, agrochemical, disinfectant, building material, as well as other new applications.

**PACKING:**

25Kgs Net Carbouy