

# CMIT/MIT

## 5-Chloro-2-methyl-4-isothiazolin-3-one

## 2-Methyl-4-isothiazolin-3-one

CMIT/MIT biocide is high performance, broad spectrum antimicrobial agents based on isothiazolone chemistry. CMIT/MIT is very effective at very low concentrations in controlling microorganisms causing microbial induced spoilage. No other preservatives controls a wider range of microorganisms over a wide range of pH at such low levels.

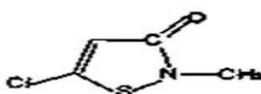
### Chemical information:

Chemical Name: 5-Chloro-2-Methyl-4-Isothiazole-3-One

2-Methyl-4-isothiazolin-3-one

Molecular weight: 149.6

Structure formula:



CAS No: 26172-55-4 / 2682-20-4

### PRODUCTION SPECIFICATION

Appearance	Colorless to amber liquid
Active ingredient	14% min
CMIT/MIT (w/w)	2.5-4.0
Density	1.26-1.33g/ml
pH	2.0-3.0

### ADVANTAGES

- Broad-spectrum antimicrobial activity- Effective against both aerobic and anaerobic bacteria
- Compatibility with surfactants and emulsifiers
- Low use level
- EPA registered product

It is assured that users of our products will themselves determine the suitability of these products for their own particular purpose, and it is stressed that the information given herein are suggestions for user's guidance only, and are not intended as recommendations, neither are any of the statements made to be construed as recommendations for the infringement of any patent.

## **SPE Chemicals**

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- Non foaming
- Cost-effective
- Biodegradable
- Formaldehyde-free
- Persistent efficacy
- Impart no odor or color
- Safe at use concentrations when used as recommended
- Readily incorporated into formulations
- Effective over a wide pH Rang
- Compatible with most pulp, paper, leather and water treatment

### **APPLICATIONS**

- Pulp, paper and paperboard
- Leather
- Industrial water treatment
- Coating and household products

### **STORAGE LIFE**

At least 24 months from the date of manufacture in the original sealed container at ambient temperature. Store away from excessive heat and humidity in tightly closed containers.

### **HANDLING PRECAUTIONS**

Refer to the Material Safety Data Sheet for CMIT/MIT.