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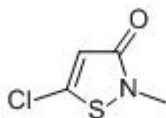
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## Technical Data Sheet

# Isothiazolinone

### Product Information

Chemical Name	Isothiazolinone
CAS #	26172-55-4
Formula	C4H4CINOS
Molecular Weight	149.6
Synonyms	Kathon,CMIT/MIT
Chemical Structure	



### Description

Isothiazolinone CMIT/MIT 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 (CMIT/MIT) is carried out through breaking the bond between bacteria and algae protein.

When contacted with microbes, Isothiazolinones (CMIT/MIT) can quickly inhibit their growth, thus leading to death of these microbes. Isothiazolinones (CMIT/MIT) has strong inhibition and biocidal effects on ordinary bacteria, fungi and alga, and has many advantages such as high biocidal efficiency, good degradation, no residual, safety in operation, good compatibleness, good stabilization, low cost in operation.

### Specification

Item	Specification	
	Appearance	Amber transparent liquid
Active content %	14.0-15.0	1.5-1.8
pH (as it)	2.0-4.0	2.0-5.0
Density (20°C)g/cm <sup>3</sup>	1.26-1.32	1.02-1.05
CMI/MI (wt %)	2.5-3.4	2.5-3.4

### Safety

Always refer to the Material Safety Data Sheet (MSDS)

### Applications

When used as sludge stripper for grade II, the dosage of 150-300mg/L is preferred, when used as boicide, the dosage of 80-100mg/L is preferred, and charges every 3-7 days. No used together with oxidative fungicidal such as chlorine, and no used in cooling water system containing sulfur. When used together with quaternary amine, the effect will be better. When used as industrial fungicide, the dosage of 0.05-0.4% is preferred.

### Packaging

200L drum or 1000 L IBC drum

### Storage & Handling

Do not store in direct sunlight. Store in a tightly closed container.

Store in a cool, dry, well-ventilated area away from incompatible substances.

Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation.

Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Keep container tightly closed.

Avoid ingestion and inhalation.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchant ability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if we has been advised of the possibility of such damages.*

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