



# Uniphos Chemicals

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## XF-990CF (CMIT/MIT)

**XF-990CF (CMIT/MIT)** is a liquid biocide with numerous outstanding advantages such as rapid initiation of growth and macromolecule synthesis, broad spectrum activity, effective at low concentration and against biofilm as well a wide pH range, biodegradable, non-persistent in the environment, non-surface activity, infrequent dosing, easily deactivated, compatibility, low toxicity, water soluble, non-foaming, cost effectiveness, etc. The active ingredient is a mixture of two isothiazolines. **XF-990CF** is ideally suited to meet the requirement of an industrial water treatment biocide for bacteria, fungi and paper mill slimeicide.

**XF-990CF** is developed from XF-990. Compared with XF-990, **XF-990CF** can be diluted directly by adding proportional water instead of metal stabilizer, such as CuSO<sub>4</sub>, with much longer shelf-life, much stronger stability, as it's copper free.

<b>Trade Name</b>	XF-990CF(CMIT/MIT)	
<b>Abbreviation</b>	CMIT/MIT or CMI/MI	
<b>Chemical Name</b>	5-chloro-2-Methyl-4-Isothiazoline-3-one/ 2-Methyl-4-Isothiazoline-3-one	
<b>Molecular Formula</b>		
<b>Molecular weight:</b>	CMIT=149.6, MIT=115.16	
<b>Commercial Form</b>	Solution	
<b>CAS Number</b>	Item	CAS NO
	5-chloro-2-Methyl-4-Isothiazoline-3-one	26172-55-4
	2-Methyl-4-Isothiazoline-3-one	2682-20-4

### Typical Properties

<b>Appearance:</b>	Straw yellow liquid
<b>Active ingredients (w/w):</b>	13.9-14.5
<b>Specific gravity:</b>	≤1.30
<b>PH (neat):</b>	2.0-5.0

### Packaging:

250kgs per PE drum, or 1250kgs per IBC/Tote