



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 CuSO₄, with much longer shelf-life, much stronger stability, as it's copper free.

Trade Name	XF-990CF(CMIT/MIT)	
Abbreviation	CMIT/MIT or CMI/MI	
Chemical Name	5-chloro-2-Methyl-4-Isothiazoline-3-one/ 2-Methyl-4-Isothiazoline-3-one	
Molecular Formula		
Molecular weight:	CMIT=149.6, MIT=115.16	
Commercial Form	Solution	
CAS Number	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

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

Packaging:

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