



Uniphos Chemicals

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XF-2100(TTA)

Copper Corrosion Inhibitor

XF-2100(TTA) is the mixture of 4-Tolyltriazole and 5-Tolyltriazole, insoluble in water, soluble in organic solvents such as alcohol, benzene, toluene, chloroform, soluble in weak lye.

XF-2100(TTA) is a corrosion inhibitor for copper and copper-base alloys. **XF-2100(TTA)** functions by reacting with copper oxide on the surface of copper alloys forming a strong, insoluble polymeric complex. This complex formation results in a protective layer or film on the copper surface, a few molecules thick, which provides both a mechanical and electrochemical barrier against corrosive attack. This protective layer has a high degree of thermal oxidative stability and cannot be easily removed. **XF-2100(TTA)** complexes copper in solution, thereby preventing galvanic corrosion of other metals.

Abbreviation	TTA
Chemical Name	Tolyltriazole
Molecular Formula	C ₇ H ₇ N ₃
Commercial Form	Solid
Molecular Weight	133.1
CAS NO.	29385-43-1

Typical Properties

Appearance	White to light yellow granule
Active Content (%)	≥99.0
pH (1% solution) @ 25 °C	5.0-6.5
Melting point	80-88°C
Moisture	≤0.5%
Ash	≤0.05%

Package and Storage

25kg net in bag or drum