

FUNCTIONAL CI-802

High Performance Corrosion Inhibitor

Application

FUNCTIONAL CI-802 is high performance water-soluble corrosion inhibitor that may be used in metalworking fluids, hydraulic fluids and water based corrosion protection. **FUNCTIONAL CI-802** is a low foam amber liquid that can be diluted easily with any neutral or basic water based system. Functional CI-802 is a complex formulation utilizing carboxylate and borate chemistry to provide maximum corrosion protection and bio-resistance.

COMPOSITION:

FUNCTIONAL CI-802 is proprietary blend of borates and carboxylates neutralized with high performance amines to yield a highly concentrated aqueous corrosion additive.

Typical Properties	
Appearance	Amber liquid
Odor	mild amine
Specific Gravity	1.12
Lbs per Gallon	9.3
Flash Point	N/A
Kinematic Viscosity	32 cSt at 40°C
pH	9.0 - 9.5
phosphorus	0 %
solubility in oil	insoluble
solubility in water	soluble

TREATMENT LEVEL:

FUNCTIONAL CI-802 is recommended for metalworking fluid corrosion inhibition in levels ranging from 0.5-1.0% in the metalworking fluid as used or as needed to accomplish its purposes of corrosion inhibition and anti wear.

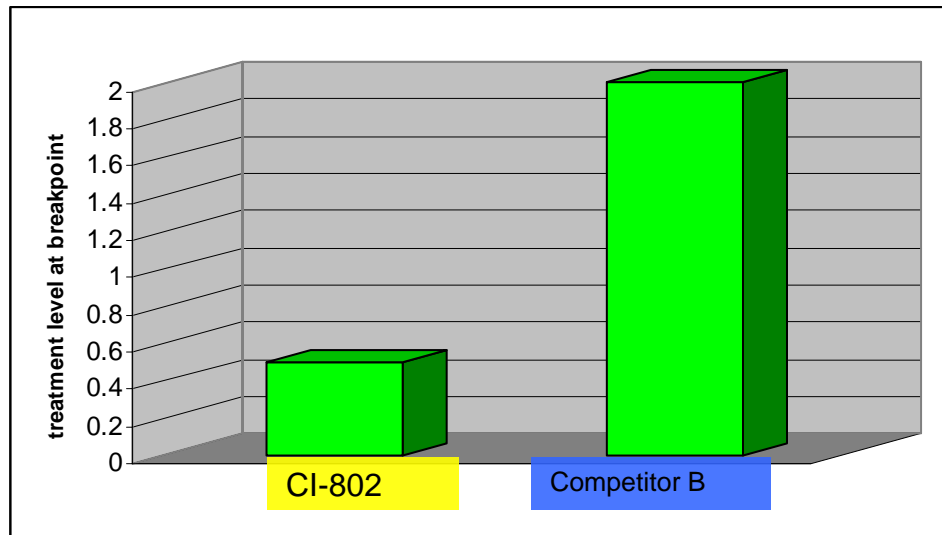
HANDLING:

In its concentrated form **FUNCTIONAL CI-802** is a skin and eye irritant, and should be handled with suitable personal protection. The concentrated form should not be heated unnecessarily, as heating could release fumes of the amine, which could be an inhalation irritant. See the material safety data sheet. The oils made with FUNCTIONAL CI-802 are not hazardous and may be handled with the usual precautions for similar oils.

This Technical Data Sheet and the Material Safety Data Sheet contain information believed to be accurate and reliable. No warranty is made, however, to information beyond the control of FUNCTIONAL PRODUCTS INC. The engineering and management personnel of the user are responsible for determining the suitability of this or any product for any specific application, and this information is offered to them for that purpose.

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ASTM D4627 Cast Iron Chip Challenge Test CI-802 vs. Competitor B



Functional CI-802 high performance corrosion inhibitor outperforms Competitor B with a treatment level less than 0.5%.

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