

FUNCTIONAL CI-291

CORROSION INHIBITOR and METAL DEACTIVATOR for NON-FERROUS METALS

APPLICATION:

FUNCTIONAL CI-291 is an oil-soluble, ashless, corrosion inhibitor and metal deactivator for non-ferrous metals. It is very effective at low treat rates in protecting copper surfaces from the corrosive action of active sulfur. Readily soluble in petroleum oils, polyalphaolefins, natural and synthetic esters and other suitable base oils. **FUNCTIONAL CI-291** also works synergistically with other nitrogen-based corrosion inhibitors.

COMPOSITION:

FUNCTIONAL CI-291 is a proprietary sulfur-nitrogen derivative.

Typical Properties	
Appearance	Yellow to brown liquid
Odor	Mild
Specific Gravity	1.05
Lbs per Gallon	8.7
Flash Point	>190°C (374°F)
Kinematic Viscosity	3.5 cSt at 100°C
Solubility in oil	Soluble
Solubility in water	Insoluble

TREATMENT LEVEL:

FUNCTIONAL CI-291 is effective at levels as low as 0.05 wt% for copper protection from inactive sulfur components. Typical treat levels for active sulfur components are from 0.1 to 0.5 wt%. The best treatment level should be determined by the user.

HANDLING:

In the concentrated form, **FUNCTIONAL CI-291** may cause skin and eye irritation and should be handled with suitable personal protection. Fumes resulting from heating of the concentrated form may be harmful. Read the Safety Data Sheet.