

Supplier - FUNCTIONAL

**CI-426***Anti-wear Additive / Corrosion Inhibitor for Food-grade Lubricants  
Specialty Packages & Additives*

### Typical Properties

Appearance	Yellow Liquid
Odor	Mild Amine
Specific Gravity	0.940
Density,lbs/gal	7.8
Flash Point,°C(°F)	100 (212)
Kinematic Viscosity@40°C,cSt	500
pH(in 99% Isopropanol,1%Water)	8.0 - 9.5
Phosphorus Content,%wt	5.3 - 7.3
Solubility in Oil	Soluble
Solubility in Water	Insoluble

### Product Description

**FUNCTIONAL CI-426** is an oil-soluble anti-wear additive and corrosion inhibitor that may be used in lubricants and hydraulic fluids with incidental food contact. It is completely soluble in white oils, polyalphaolefins and other suitable base oils.

### COMPOSITION

**FUNCTIONAL CI-426** is an amine salt of an alkyl phosphate, approved by the U.S. Department of Agriculture as an ingredient in lubricants with incidental food contact under paragraph 21CFR 178.3570.

### HANDLING

In its concentrated form **FUNCTIONAL CI-426** 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-426** are not hazardous and may be handled with the usual precautions for similar oils.

#### **Applications**

Food-grade Lubricants  
Normal Rust Protection  
Salt Protection

#### **Suggested Treat Rates, %wt**

≤ 0.5  
≥ 0.025  
0.07

Print date: 30-04-26

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