

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: 29-04-26

**Disclaimer:** Information provided by this website and product page including specifications, applications and formulations are based on tests and data supplied by Smart Oil companies, manufacturers or any of our collaborated companies or suppliers, which are believed to be correct and reliable at the time of writing and data update. However, Smart Oil companies, manufacturers or any of our collaborated companies or suppliers make no warranty or responsibility, express or implied, of any kind regarding products, performance, formulations or applications, as operation conditions and application environments are beyond our control, or products will be modified by action of manufacturers or due to change in market environments. Users are herewith expressly requested to conduct test to determine the suitability of our products or product information before use. Furthermore, we regret that we cannot be responsible for informing customers any changes in specifications, formulations, or other technical contents on this website and product page. Also, We hereby state that all product trademarks other than Smart Oil, including trademarks from our , suppliers are the trademarks belong to the respective companies, or from their sources.