

### FUNCTIONAL CI-426EP

#### Food Grade CI - EP Additive

#### APPLICATION:

**FUNCTIONAL CI-426EP** is an oil-soluble extreme pressure/anti-wear additive and corrosion inhibitor that may be used in lubricants and hydraulic fluids with incidental food contact. It is soluble in mineral oils, vegetable oils, and polyalphaolefins.

#### COMPOSITION:

**FUNCTIONAL CI-426EP** is composed of amine phosphate compounds and is NSF approved for use in lubricants with incidental food contact.

Typical Properties	
Appearance	Yellow liquid
Odor	Mild amine
Specific Gravity	0.92
Lbs per Gallon	7.7
Flash Point	105°C (220°F)
Kinematic Viscosity	45 cSt at 40°C
pH	7.0 – 8.0 (in 99% isopropanol, 1% water)
Phosphorus	3.6 %
Sulfur	2.0 %

#### TREATMENT LEVEL:

**FUNCTIONAL CI-426EP** is permitted in H-1 lubricants at levels up to 2.0% to accomplish its purposes of corrosion inhibition and antiwear. If rust protection is required a starting level of 0.1% is recommended for normal protection (ASTM D665A) and 0.2% for corrosion prevention under saline conditions (ASTM D665B).

#### HANDLING:

In its concentrated form **FUNCTIONAL CI-426EP** 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 Safety Data Sheet. Oils made with **FUNCTIONAL CI-426EP** are not hazardous.



Nonfood Compounds  
Program Listed  
Category Codes: HX-1 and HX-2  
Registration No. 138503

This Technical Data Sheet and the 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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