

FUNCTIONAL CI-426EP

Food Grade CI - EP Additive

APPLICATION:

FUNCTIONAL CI-426EP is an oil-soluble extreme pressure/anti-wear additive and corrosion inhibitor for use 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. **FUNCTIONAL CI-426EP** is NSF approved, category HX-1, HX-2 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 %
D4782 4-ball wear, 20kg, mm	0.31 (2% treat in Canola Oil)
D2783 4-ball EP, weld load, kg	126 (2% treat in Canola Oil)

TREATMENT LEVEL:

FUNCTIONAL CI-426EP is permitted in H-1 lubricants at levels up to 2.0% for corrosion inhibition and antiwear. If rust protection is required a starting level of 1.0% is recommended for normal protection (ASTM D665A) and 2.0% for corrosion prevention under saline conditions (ASTM D665B).

HANDLING:

In its concentrated form, **FUNCTIONAL CI-426EP** may cause skin and eye irritation and should be handled with suitable personal protection. Fumes resulting from heating of the concentrated form may be an inhalation irritant.

See the Safety Data Sheet.



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.