

### FUNCTIONAL CI-526EP

#### Corrosion Inhibitor – Extreme Pressure Additive Incidental Food Contact

#### APPLICATION:

**FUNCTIONAL CI-526EP** is an oil-soluble extreme pressure/anti-wear additive and corrosion inhibitor for use in lubricants and hydraulic fluids with incidental food contact. The product contains canola oil as the carrier fluid but is soluble in mineral oils, vegetable oils, and polyalphaolefins.

#### COMPOSITION:

**FUNCTIONAL CI-526EP** is composed of an amine phosphate and other phosphate compounds in a Canola Oil base fluid.

Typical Properties	
Appearance	Yellow clear liquid
Odor	Mild amine
Specific Gravity	0.93
Lbs per Gallon	7.77
Flash Point	105°C (220°F)
Kinematic Viscosity	30 cSt at 40°C
pH	7.0 – 8.0 (in 99% isopropanol, 1% water)
Phosphorus	3.75 %
D4782 4-ball wear, 20kg, mm	0.38 (2% treat in Canola Oil)
D2783 4-ball EP, weld load, kg	200 (2% treat in Canola Oil)

#### TREATMENT LEVEL:

**FUNCTIONAL CI-526EP** is typically used at levels up to 2.0% for corrosion inhibition and antiwear and to meet NSF's maximum treat level requirements. If only rust protection is required a starting level of 0.1% -0.2% is recommended for normal protection (ASTM D665A) and 0.2% -0.5% for corrosion prevention under saline conditions (ASTM D665B). If non-incident food contact is needed then higher levels of CI-526EP can be used. It is up to the user to define the appropriate treat level.

#### HANDLING:

In its concentrated form, **FUNCTIONAL CI-526EP** may cause skin and eye irritation and should be handled with suitable personal protection such as gloves and eye 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. 158356

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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