FUNCTIONAL PRODUCTS INC.

Innovative Chemistry for Lubricants

Technical Data Sheet

FUNCTIONAL RO-100

RUST AND OXIDATION INHIBITOR ADDITIVE PACKAGE FOR INDUSTRIAL FLUIDS

APPLICATION:

FUNCTIONAL RO-100 is a low odor additive package used to formulate fluids having excellent rust protection, copper corrosion protection, and oxidative stability. The package is compatible with groups I –III mineral oils, PAO fluids, synthetic esters such as short chain pentaerythritol esters, and biodegradable natural oils. **FUNCTIONAL RO-100** does not contain zinc, chlorine or heavy metals.

COMPOSITION:

FUNCTIONAL RO-100 is a mixture of oxidation inhibitors, and ferrous and non-ferrous corrosion inhibitors designed to give optimum performance in mineral oils, synthetic esters, biodegradable esters and natural oils.

Typical Properties	
Appearance	Clear, amber liquid
Odor	Mild
Color, D1500	3.5
Lbs. per Gallon	8.1
Flash Point, COC	178°C (352°F)
Kinematic Viscosity, cSt at 40°C	466.
Performance at 1% treat in RHT 120 paraffinic base oil:	
TAN, D974	0.2
Turbine oil rust test, D665B	Pass
Copper strip corrosion test, D130	1a

TREAT LEVEL:

The recommended treat of **FUNCTIONAL RO-100** is 1.0% by weight in a suitable base fluid. Suitable mechanical mixing is sufficient for blending. Heating while blending facilitates and hastens mixing but is not required. Always test additive packages for compatibility in the base fluid and material compatibility under conditions that the fluid will encounter.

HANDLING:

Store in a cool dry place out of direct sunlight. Use normal safe procedures for handling and blending of FUNCTIONAL **RO-100**. Review the current Safety Data Sheet before use.

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