

# FUNCTIONAL AW-487

## ANTI-WEAR ADDITIVE FOR FOOD-GRADE WATER BASED LUBRICANTS

### APPLICATION:

**FUNCTIONAL AW-487** is an anti-wear and lubricity additive designed for use in lubricants containing a significant amount of water. **FUNCTIONAL AW-487** contains no phosphorus, chlorine or heavy metals and can be used in environmentally sensitive applications. It has been approved by the USDA as an ingredient in lubricants with incidental food contact. Its primary use is in food-grade water-glycol hydraulic fluids.

### COMPOSITION:

The active ingredient in **FUNCTIONAL AW-487** is a blend of sodium salts of organic carboxylic acids diluted in water.

Typical Properties	
Appearance	clear light yellow liquid
Odor	mild soap-like odor
Specific Gravity	1.1
Lbs per Gallon	9.2
Flash Point	boils at 100 °C
Kinematic Viscosity	4 cSt at 40 °C
PH	8.5 - 9.5

### TREATMENT LEVEL:

The recommended treatment level range for water containing lubricants is 0.5 – 2.0%, depending upon the severity of the operation.

### HANDLING:

**AW-487** is an easily handled liquid and any convenient technique may be used for blending. Do not store in an unclosed container. Water loss due to evaporation will cause a partial solidification of the product. Please practice safe handling precautions; see the current Material Safety Data Sheet.



Nonfood Compounds  
Program Listed  
Category Codes: HX-1 and HX-2

This Technical Data Sheet and the Material 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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