

# TECH DATA

## PURITY™ FG SEAMER-E FLUID

## INTRODUCTION

PURITY™ FG Seamer-E fluid is a high performance, advanced food grade lubricant specially designed for use in the food and beverage canning industry.

PURITY FG Seamer-E fluid is a mineral oil based, water emulsifying fluid that is formulated for use in high-speed continuous lubrication seaming units where contamination of the oil with water, food juices and sugar may occur. It is designed to lubricate the main turrets, bearings, chains and gears for smooth and effective equipment performance.

PURITY FG Seamer-E fluid provides viscosity control in the presence of water, and excellent load-carrying properties and corrosion inhibition to protect seamer components.

PURITY FG Seamer-E fluid meets the highest food industry safety standards and fits perfectly in HACCP (Hazard Analysis and Critical Control Point) and GMP (Good Manufacturing Practice) plans. All components comply with FDA regulation 21 CFR 178.3570 "Lubricants with incidental food contact".

PURITY FG Seamer-E fluid is registered by NSF as an H1 lubricant for use in food processing plants where incidental food contact may occur.

PURITY FG Seamer-E Fluid is designed for the lubrication of can seamers operating with either total loss or recirculation lubrication systems.

## PERFORMANCE BENEFITS

### Strong Load Carrying Characteristics

- Excellent load carrying properties promote effective seamer performance and equipment protection
- Excellent wear protection

### Excellent Water Control and Emulsibility

- Viscosity control
- Emulsifying formulation
- Corrosion inhibition

**H1 registered by NSF for use in and around food processing areas**

**Kosher Pareve and Halal certified**

## APPLICATIONS

PURITY FG Seamer-E Fluid may be used to lubricate the main turrets, bearings, gears and chains of high-speed seamer units that use recirculating lubrication and have a filtration system to help remove contaminants and water. PURITY FG Seamer-E fluid is also specially designed for systems using "once through" lubrication where the contamination of the lubricant with water, food juices, and sugar may occur.



**Nonfood Compounds  
Program Listed H1**

## TYPICAL PERFORMANCE DATA

Property	ASTM Test Method	PURITY FG SEAMER-E FLUID
Appearance		Clear
Density, kg/L @ 15°C	D4052	0.878
Viscosity, cSt @ 40°C (SUS @ 100°F) cSt @ 100°C (SUS @ 210°F)	D445	140 (732) 14.5 (77)
Viscosity Index	D2270	101
Flash Point, COC, °C / °F	D92	264 / 507
Pour Point, °C / °F	D5950	-15 / 5
Water separability, mL @ 82°C (180°F), minutes	D1401	4-0-76 (60)
Rust A	D665A	Pass
4-Ball Wear Scar diam., mm	D4172	0.48
4-Ball EP Weld Load, kgf	D2783	160
FZG Scuffing load capacity, Failure load stage	D5182 A/8.3/90	> 12

The values quoted above are typical of normal production. They do not constitute a specification.

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Committed to the disciplined operation of our business.



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