

# Technical Bulletin

## Plurasafe<sup>®</sup> Insure<sup>™</sup> 225 Chain Lubricant Food Grade Chain Lubricant ISO Grade 220



**Plurasafe<sup>®</sup> Insure<sup>™</sup> 225 Chain Lubricant** is designed for both static and dynamic chain lubrication for the food industry. It leaves no deposits or sludge on during its use. Plurasafe Insure 225 Chain Lubricant offers adequate detergency to the chains even with food ingredient contamination. Meets the FDA regulation 21 CFR 178.3570 for applications where incidental food contact may occur. Plurasafe Insure 225 Chain Lubricant is in the process of being registered with the NSF under H-1 classification.

Plurasafe Insure 225 Chain Lubricant offers improved performance over conventional petroleum oils; food grade white oils and other hydrocarbon based synthetic food grade lubricants. It provides excellent lubricity, has a high viscosity index and an increased thermal and oxidative stability. Plurasafe Insure 225 Chain Lubricant is an ISO viscosity Grade of 220.

### Elastomer Compatibility

Plurasafe Insure 225 Chain Lubricant is compatible with common elastomers used in seals and gaskets. The following elastomers are compatible - Viton, Buna N, silicone, EPDM, EPR, Butyl Rubber, Neoprene and natural black rubbers.

### Applications

Plurasafe Insure 225 Chain Lubricant can be used in all types of chains where clean burning and high temperature lubricants are recommended in the food and beverage processing industry.

While the descriptions, designs, data and information contained herein are presented in good faith and are believed to be accurate, they are provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. NO WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE. Further, you expressly understand and agree that the product(s) descriptions, designs, and data furnished by BASF hereunder are given gratis and BASF assumes no obligation or liability for same or results obtained from use thereof, all such being given to you and accepted by you at your risk.

All trademarks are owned by BASF Corporation or BASF AG.

©2009 BASF Corporation

\*Plurasafe<sup>®</sup> is a registered trademark of BASF Corporation

Typical Physical Properties of Plurasafe Insure 225 Chain Lubricant	
	225
Viscosity @ 40°C	221
Viscosity @ 100°C	34
Viscosity Index	229
Pour Point, °C	-45
Flash Point, °C	254

Typical Performance Properties of Plurasafe Insure 225 Chain Lubricant	
	225
Four Ball Wear Test D4172M	0.35 mm
Four Ball EP Test Weld Load D2783	200 Kg
Load Wear Index D2783	68
Rust Prevention D665A	Pass
Copper Corrosion D130	1B 100C 24 hrs
FZG Pass Stage	12
Oxidation Stability 312 Hours @ 121° C Viscosity Change % Precipitation Number	3.7 0.00 ml

Huey Fluids, Inc.  
13821 Monroe's Business Park  
Tampa, FL 33635  
Phone: (813) 854-2153  
FAX: (813) 854-2072  
www.hueyfluids.com