

## PRODUCT DATA SHEET

**PRODUCT NAME: Ultra-Safe Food Grease 3H**

**CODE: FF100**

*INS & NSF Registered 3H & H1*

The world's first bearing grease designed to meet the stringent 3H requirements for lubricants which directly contact food during processing. Specifically developed to lubricate machine parts which come into direct contact with food, for example blades in mincing machinery, "wizard saws" etc, this grease is also suitable for use across a range of food safe applications. Ultra-Safe Food Grease 3H contains Extreme Pressure (EP) additives and solid lubricants to provide a degree of anti-wear performance.

Please note that for extremely high or low temperature, wet saturated environments, heavily loaded applications and where there is a presence of dust and other contaminants it may be recommended to use one of the other food safe greases in our range. All ingredients are FDA listed. Suitable for plain and anti-friction bearings, as well as sliding surfaces. Ultra Safe is extremely well suited to use in any industry, where cleanliness and performance are important.

### BENEFITS

- 1 Registered 3 H - safe for direct contact with food during manufacture.
- 2 Wide performance characteristics enable standardisation to one product for a number of food safe applications.
- 3 Provides long-term lubrication at ambient temperatures extending lubrication intervals.
- 4 Good anti-wear performance prolonging component life.
- 5 Good water resistance providing lasting lubrication and protecting against corrosion.

### METHODS OF APPLICATION

Ultra-Safe Food Grease can be applied by hand, or by using a standard grease gun or via a central lubricating system capable of pumping NLGI No 1 grease.

### Typical Physical Characteristics

Specification	FF100 Ultra Safe Food Grease 3H
Appearance	White tacky grease
Thickener	Inorganic
Drop point (IP 132)	>180°C
Solid lubricants	Direct Food Additives
Copper corrosion (IP 112)	Pass
Water washout (ASTM D1264) @ 38°C	< 2% max
Dynamic corrosion resistance (EMCOR)(IP 220)	0.0
Shell Four Ball (IP 239)	
Weld load	400 Kg
dN factor	450,000
Operating temperature range	-30°C to 120°C
NSF/INS Registration	3H & H1

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This grease is recommended for use where direct and/or incidental contact with food may occur. Registered by INS and NSF (Class 3H and H1) and meets the USDA 3H and H1 guidelines (1998).

Made only from substances permitted under the US FDA Title 21 CFR and/or those generally regarded as safe (US 21 CFR 182) for use in food grade lubricants.

FF100 Ultra-Safe Food Bearing Grease will not impart undesirable taste, odour or colour to food, nor will it cause adverse health effects.

Consistent with good manufacturing practice, use only the minimum amount necessary to achieve desired lubrication result.

All ingredients are FDA listed ULTRA-SAFE FOOD GREASE 3H is  
INS and NSF 3H and H1 Registered and meets the USDA 1998 3H and H1 guidelines  
INS Registration No. 1795096 NSF Registration No. 147073

This product contains NO nut derived, genetically modified, soya  
Animal derived, vegetable derived nor any known allergens



**NonFood Compound  
Program listed**



LIMITED WARRANTY MDS Europe Ltd makes the Limited Express Warranty that at the date of delivery, this product shall be free from defects in MDS Europe Ltd. materials and workmanship. This limited Express Warranty is in lieu of any other express or implied warranties, including any implied warranty of merchantability or fitness for a particular purpose, and of any other obligation on the part of MDS Europe Ltd. The sole remedy for breach of the Limited Express Warranty shall be the refund of the purchase price. All other liability is negated and disclaimed, and MDS Europe Ltd. shall not be liable for incidental or consequential damages.

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