

PRODUCT DATA SHEET

PRODUCT NAME: Ultra Food Bearing Grease CODE: FF156A
INS Registered H1

Designed for use in food processing plants where incidental contact with food is possible, Ultra Food Bearing Grease covers a wide range of food safe applications. Wet and saturated environments are commonly found in food processing environments Ultra Food Bearing Grease provides unsurpassed protection from corrosion and lubricant loss due to superb resistance to wash out, in addition wear caused by heavily loaded applications (including shock loading and extreme shear loading) is reduced or even eliminated due to the exceptional anti-wear performance of this lubricant. Where there is a presence of dust and other contaminants the sealing properties of Ultra Food Bearing Grease provide unequalled protection for bearings and machine components. Suitable for plain bearings, linear bearings and anti-friction bearings, as well as sliding surfaces. Ultra Food Bearing Grease is extremely well suited to use in any industry, where cleanliness and performance are important. Available in NLGI No's 2, 1, and 00 these greases suitable for use in a wide variety of applications.

BENEFITS

- Wide operating versatility including high speed, high load, and shock loading conditions allows standardisation to one product in many applications.
- Provides long-term lubrication in a wide temperature range -20°C to +150°C .
- Exceptionally long life reduces lubrication usage
- Excellent load carrying and anti-wear performance prolonging component life.
- Exceptional degree of water resistance and resistance to steam provides lasting lubrication and protecting against corrosion.

METHODS OF APPLICATION

Ultra Food Bearing Grease 00 can be applied by hand, but more commonly by the automatic lubrication systems fitted to many types of food processing equipment.

Ultra Food Bearing Grease 1 can be applied by hand, or central lubricating system capable of pumping NLGI 1 grease. Ultra Food Bearing Grease 2 can be applied by hand, or by using a standard grease gun (400 gm cartridges are available), or via a central lubricating system capable of pumping an NLGI No 2 grease.

TYPICAL PHYSICAL CHARACTERISTICS

Specification	NLGI 00	NLGI 1	NLGI 2
Appearance	White tacky grease	White tacky grease	White tacky grease
Thickener	Aluminium complex	Aluminium complex	Aluminium complex
Drop point (IP 132)	>230°C	>250°C	>250°C
Solid lubricants	Lubricating solids and PTFE	Lubricating solids and PTFE	Lubricating solids and PTFE
Copper corrosion (IP 112)	Negative	Negative	Negative
Water washout (ASTM D1264) @ 38°C	< 1% max	< 1% max	< 1% max
Dynamic corrosion resistance (EMCOR)(IP 220)	0.0	0.0	0.0
Shell Four Ball (IP 239)			
Weld load	>500 Kg	>600 Kg	>600 Kg
dN factor	500,000	500,000	500,000
Operating temperature range	-20°C to 150°C	-20°C to 150°C	-20°C to 150°C
NSF/INS Registration	H1	H1	H1
SKF ROF bearing life @ 100°C	2200	2400	2400

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This grease is recommended for use where incidental contact with food may occur. Registered by INS (Class H1) and meets the USDA H1 guidelines (1998) for lubricants for use where there is a potential for incidental food contact.

Made only from substances permitted under the US FDA Title 21 CFR 178.3570, 178.3620 and/or those generally regarded as safe (US 21 CFR 182) for use in food grade lubricants.

To comply with the requirements of US 21 CFR 178.3570, contact with food should be avoided where possible. In the case of incidental food contact, the concentration of this product in the food must not exceed 10 parts per million (10mg/kg of foodstuff). In locations and/or applications where local legislation does not specify maximum concentration limits, it is recommended that this same 10 ppm limit be observed, as up to this concentration FF156 Ultra Food Bearing Grease will not impart undesirable taste, odour or colour to food, nor will cause adverse health effects.

Consistent with good manufacturing practice, use only the minimum amount necessary to achieve desired lubrication result and take appropriate corrective action should excessive incidental contact with food be detected.



All ingredients are FDA listed ULTRA FOOD BEARING GREASE is INS H1 Registered and meets the USDA 1998 H1 guidelines.

INS Registration No. 1794549 (NLGI 2) 1794772 (NLGI 1) 1794773 (NLGI 00)

INS H1 registered and meets the USDA 1998 H1 Guidelines.

This product contains no nut derived or genetically modified ingredients.

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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