

## PRODUCT DATA SHEET

**PRODUCT NAME: Food Grade Assembly Grease**

**PRODUCT CODE: FF170**

**NSF Registered H1/ INS Registered H1**

White, non-toxic grease-like compound with a high solids lubricant content designed for use as an assembly lubricant for lubricating bushes, sliding surfaces and small open plastic or metal gears and anti-seize compound for threaded fasteners. The compound is designed to prevent damage during start up and protect against premature wear during the running in period. FF170 is ideal for use in any industrial application when an inert, clean assembly paste is required, and has found use in many applications outside of food industry.

### Cost Saving Benefits

1. Provides protection during running in, prolonging component life
2. Provides protection against scuffing during assembly
3. Resists water wash extending re-lubrication intervals when used as a service lubricant
4. Prevents seizure of threaded components enabling easy and quick dismantling
5. Dismantled threaded components can be reused.

### Method of Application

Food Grade Assembly Grease should be applied sparingly as a thin film using a brush or lint-free cloth. Surfaces must be cleaned well before application. Not suitable for the lubrication of rolling element anti-friction bearings, other than in the assembly of such bearings into a housing.

Specification	FF170 Food Grade Assembly Grease
Appearance	White tacky paste
Thickener	Inorganic
Drop point (IP 132)	None
Solid lubricants	Lubricating solids and PTFE
Copper corrosion (IP 112)	Negative
Water washout (ASTM D1264) @ 38°C	< 1% max
Dynamic corrosion resistance (EMCOR)(IP 220)	0.0
Coefficient of friction	0.14
dN factor	N/A
Operating temperature range	-30°C to 150°C as a service lubricant -30°C to 1100°C as an anti-seize
NSF/INS Registration	H1

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

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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 FF170 Food Grade Assembly 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 Food Grade Assembly Grease is INS H1 Registered and meets the USDA 1998 H1 guidelines INS Registration No. 1794536 & NSF H1 registered and meets the USDA 1998 H1 Guidelines. NSF Registration No.124144 .

This product contains no nut derived or genetically modified ingredients, nor does it contain any soya or animal by-products, oils or fats.



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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