

PRODUCT DATA SHEET

PRODUCT NAME: Food Grade Ultra Temp 290 Chain Oil

PRODUCT CODE: FF131FS

INS Registered H1

Description

Providing food safe lubrication for chains operating at extremely high temperatures in a range of applications within food industries, Food Grade Ultra Temp 290 utilises the latest highly polar biodegradable base oil with the addition of high levels of anti-oxidants to give exceptional wet film lubrication life at extremely high temperatures. The unique formulation ensures that FF131FS strongly adheres to chains and other machine parts operating at elevated temperatures, at the same time separating the moving parts due to its highly viscous lubricating film which is maintained even at extremely high temperatures. FF131FS evaporates at a much slower rate than other high temperature fluids, which means much improved lubrication at the extreme temperatures experienced in today's modern commercial bakeries.

Designed for the Safe Clean lubrication of conveyor chains and bearings running continuously at high temperatures, up to 280°C, and short periods up to 300°C.

Main Benefits

- *No compatibility issues when changing from previous lube, miscible with most ester based fluids*
- *Long fluid life at high temperatures, reducing lubricant usage and increasing lubricant economy*
- *Provides long term protection from load and wear extending chain and bearing life*
- *Excellent lubricity from 10°C to 300°C*
- *Does not form hard carbon deposits further reducing wear to chains and moving parts*
- *Versatile may be used in many light lubrication applications within the food industry*

Directions for use

May be applied by automatic lubricators, by brush, hand spray or oil can if so desired. FF131FS may also be used in any area where a light clean food grade lubricating fluid is required.

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Typical physical Characteristics	FF131FS Food Grade Ultra Temp 290
<i>Appearance</i>	<i>Clear liquid 325 cSt Min.</i>
<i>Viscosity at 40°C.</i>	<i>325 cSt Min</i>
<i>Specific Gravity</i>	<i>0.87</i>
<i>Noack Weight Loss after 1 Hour at 250°C</i>	<i><2.0%</i>
<i>Shell 4 Ball (IP239) Weld Load</i>	<i>200kg</i>
<i>Scar Diameter 40kg for 1Hr</i>	<i>0.54mm</i>
<i>Temperature Range</i>	<i>10 to 280°C Up to 300°C for short periods.</i>
<i>Auto ignition temperature ASTM D2155-66</i>	<i>>350°C</i>
<i>Food Registration</i>	<i>H1</i>

This lubricant 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 FF131FS Food Grade Ultra Temp 290 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 Ultra Temp 290 is
INS H1 Registered and meets the USDA 1998 H1 guidelines
INS Registration No. 1795371

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



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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