



PRODUCT DATA SHEET



NO-TOX[®] FOOD GRADE HIGH TEMPERATURE OIL

No-Tox Food Grade High Temperature Oil is an excellent high temperature lubricant for use in a variety of “clean” industry applications. It is NSF H1 registered for use where incidental food contact may occur and can be used at temperatures up to 260°C (500°F). **No-Tox Food Grade High Temperature Oil** is rated as a CLP gear lubricant according to German DIN 51502 and surpasses the requirements of gear oils according to U.S. Steel 224, DIN 51517-3 and AGMA 9005. **No-Tox Food Grade High Temperature Oil** is made from food grade synthetic ester base fluids combined with an excellent food grade additive package. **No-Tox Food Grade High Temperature Oil** excels in high temperature application such as oven chain lubricants, where it cleans, penetrates and lubricates.

Applications

- ◆ Bearings, chains and conveyors in bread ovens, pita ovens, tortilla ovens, drying ovens, curing ovens, rack ovens, tunnel ovens and other ovens
- ◆ Light-duty gears that call for ISO VG 220 fluids
- ◆ Where a biodegradable and non-toxic lubricant is required

Features and Benefits

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| ◆ NSF H1 registered | Use where incidental food contact may occur. |
| ◆ Compliances | Kosher and Pareve approved. Halal certified. |
| ◆ Bacteriological protection | Effectively inhibits the growth of certain bacteria, yeast and mold in the lubricant. |
| ◆ Biodegradable | If contact with the environment occurs through spillage, it degrades into harmless substances. |
| ◆ Synthetic ester formula | Extends gear, bearing, chain and conveyor life. |
| ◆ Anti-wear protection | Reduces friction, wear and energy consumption. |

General Description

No-Tox Food Grade High Temperature Oil will perform very well in a range of clean industry applications including high temperature oven chains. **No-Tox Food Grade High Temperature Oil** meets NSF H1 and FDA requirements for materials that may have incidental contact with food as defined under Title 21 CFR 178.3570. It is Kosher and Pareve approved, as well as Halal certified.

Product No. 301576

NO-TOX[®] FOOD GRADE HIGH TEMPERATURE OIL
TYPICAL PROPERTIES

<u>Product No.</u>	<u>301576</u>
<u>Old Product No.</u>	<u>62577</u>
ISO Viscosity Grade	220
Viscosity, ASTM D445	
@ 40°C, cSt	237
@ 100°C, cSt	29.5
Viscosity Index, ASTM D2270	164
Base Fluid Type	Synthetic Ester
Pour Point, ASTM D97	
°C (°F)	-35 (-32)
Rust Test, ASTM D665, Procedure A & B	Pass
Falex EP Test, ASTM D3233 Method B	
Non-seizure Load, lbf	3000
4-Ball Wear Test, ASTM D4172	
@ 1200 rpm, 40 kg, 1 hr, 75°C	
Scar Diameter, mm	0.35
Biodegradability, ASTM D5864 (OECD 301B), %	> 65
Evaporation Loss by TGA	
204°C (400°F), 2 hr, %	2.49
232°C (450°F), 2 hr, %	5.95
Flash Point, ASTM D92	
°C (°F)	270 (518)
Useful Temperature Range	
°C	-26 to 260
(°F)	(-15 to 500)
Specific Gravity, ASTM D1298, 60/60°F	0.956
Color	Clear Yellow