



PRODUCT DATA SHEET



NO-TOX[®] FOOD GRADE ARCTIC TEMPERATURE GREASE

No-Tox Food Grade Arctic Temperature Grease, commonly known as No-Tox Arctic Grease, is synthetic based, organo-clay grease with exceptional low temperature properties. **No-Tox Food Grade Arctic Temperature Grease** is NSF H1 registered for use where incidental food contact may occur. It is ideal for bearings subject to extreme fluctuations in temperature and moisture operating in freezers and chillers found in the “clean” industries such as food, beverage, pharmaceutical and personal care products.

Applications

- ◆ Freezer, chiller and cold box applications, freeze-drying operations
- ◆ High speed bearings operating at constant speed and very low temperature
- ◆ Bearings exposed to moisture during wash-downs and high drying temperatures

Features and Benefits

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| ◆ NSF H1 registered | Use where incidental food contact may occur. |
| ◆ Bacteriological protection | Effectively inhibits the growth of certain bacteria, yeast and mold in the lubricant. |
| ◆ Compliances | Kosher and Pareve approved. Halal certified. |
| ◆ Extremely low start up and running torque | Superior bearing performance at low temperature providing energy savings. |
| ◆ Fully synthetic base oil | Excellent low temperature mobility in handling while maintaining superior film strength at low and elevated temperatures. |
| ◆ Outstanding anti-wear properties | Protects and extends equipment for longer life in extreme application conditions. |

General Description

No-Tox Food Grade Arctic Temperature Grease is a synthetic based, organo-clay grease for exceptional low temperature performance. Additionally, this organo-clay thickened grease with its unique thermal stability and oil retention capability is able to maintain its consistency during temporary fluctuations through a wide temperature range, especially where equipment is subjected to water wash-downs. **No-Tox Food Grade Arctic Temperature Grease**, formulated with the highest quality synthetic oils and food grade additives, 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. 301562

NO-TOX[®] FOOD GRADE ARCTIC TEMPERATURE GREASE

TYPICAL PROPERTIES

<u>Product No.</u>	<u>301562</u>
<u>Old Product No.</u>	<u>61895</u>
NLGI Grade	1
Penetration, worked (60 strokes), ASTM D217 mm/10	325
Thickener Type	Organo-clay
Viscosity (Base Fluid), ASTM D445 @ 40°C, cSt @ 100°C, cSt	16.8 3.95
Viscosity (Base Fluid), ASTM D2161 @ 100°F, SUS @ 210°F, SUS	90.0 39.6
Water Washout, ASTM D1264 @ 79°C (175°F), loss, weight %	1.0
4-Ball Wear Test, ASTM D2266 @ 1200 rpm, 40 kg, 1 hr, 75°C Scar Diameter, mm	0.40
Rust Protection, ASTM D1743, rating	Pass
Pour Point (Base Fluid), ASTM D97 °C (°F)	-68 (-90)
Low Temperature Performance, ASTM D1478 Starting Torque @ -54°C (-65°F), g·cm Torque after 1 hr @ -54°C (-65°F), g·cm Starting Torque @ -68°C (-90°F), g·cm Torque after 1 hr @ -68°C (-90°F), g·cm	670 176 7365 566
Useful Temperature Range °C (°F)	-68 to 121 (-90 to 250)
Color	Tan