



# PRODUCT DATA SHEET



## NO-TOX<sup>®</sup> FOOD GRADE SYNTHETIC EXTREME PRESSURE GREASE

**No-Tox Food Grade Synthetic Extreme Pressure Grease**, commonly known as No-Tox Synthetic EP Grease, is a synthetic based, aluminum complex grease and is NSF H1 registered for use where incidental food contact may occur. **No-Tox Food Grade Synthetic Extreme Pressure Grease** is fortified with low friction lubricating solids, Extreme Pressure and anti-wear additives, and special polymers that provide the grease with tackiness and exceptional resistance to water washout. It is formulated to replace many conventional greases in moderate and high temperature applications found in the “clean” industries such as food, beverage, pharmaceutical and personal care products that require water wash-downs or have high moisture exposure.

### *Applications*

- ◆ Plain, roller, needle and anti-friction bearings
- ◆ Bushings, cams, ways, sliding surfaces and pivot points
- ◆ Most heavy-duty and Extreme Pressure grease applications in food and beverage plants where Extreme Pressure performance is required

### *Features and Benefits*

- |   |   |
|---|---|
| ◆ 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.                 |
| ◆ Extremely waterproof                      | Protects machine components subjected to high moisture operating conditions and wash-down procedures. |
| ◆ Extreme Pressure and anti-wear properties | Maximizes component life helping to reduce replacement part costs and lost production time.           |

### *General Description*

**No-Tox Food Grade Synthetic Extreme Pressure Grease** is engineered for use when industry demands are beyond the capability of white mineral oil-based greases. It contains an Extreme Pressure additive system along with excellent oxidation and corrosion inhibitors.

**No-Tox Food Grade Synthetic Extreme Pressure Grease**, formulated with the highest quality ingredients, 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. 301598, 301319**

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## TYPICAL PROPERTIES

<u>Product No.</u>	<u>301598</u>	<u>301319</u>
<u>Old Product No.</u>	<u>65380</u>	<u>65390</u>
NLGI Grade	1	2
Penetration, worked (60 strokes), ASTM D217 mm/10	325	280
Thickener Type	Aluminum Complex	Aluminum Complex
Viscosity (Base Fluid), ASTM D445		
@ 40°C, cSt	220	220
@ 100°C, cSt	23.4	23.4
Viscosity (Base Fluid), ASTM D2161		
@ 100°F, SUS	1146	1146
@ 210°F, SUS	116	116
Viscosity Index (Base Fluid), ASTM D2270	132	132
Dropping Point, ASTM D2265 °C (°F)	>232 (>450)	>260 (>500)
Copper Strip Corrosion, ASTM D4048 24 hrs @ 100°C, rating	1b	1b
Water Washout, ASTM D1264 @ 79°C (175°F), loss, weight %	7.92	2.50
4-Ball EP Test, ASTM D2596 Weld Load, kg	500	500
4-Ball Wear Test, ASTM D2266 @ 1200 rpm, 40 kg, 1 hr, 75°C Scar Diameter, mm	0.35	0.35
Rust Protection, ASTM D1743, rating	Pass	Pass
Useful Temperature Range		
°C	-40 to 204	-35 to 204
(°F)	(-40 to 400)	(-31 to 400)
Density, ASTM D1475, @ 16°C (60°F), lb/gal	7.18	7.20
Texture	Tacky	Tacky
Color	White	White