



PRODUCT DATA SHEET



NO-TOX FOOD GRADE OVEN CHAIN LUBRICANT

No-Tox Food Grade Oven Chain Lubricant, is a 100% fully synthetic ester based high temperature oven chain lubricant with exceptional Extreme Pressure (EP) and anti-wear characteristics designed to deliver and deposit suspended food grade white-graphite, while leaving no sludge or carbon residue. Solids (white-graphite) lubricate up to 900°C (1652°F).

Applications

- ◆ Chains, conveyors, bearings found in high temperature ovens

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. |
| ◆ Contains food grade solid lubricants | Reduces friction, wear and energy consumption. |
| ◆ Selected carrying fluids | Does not leave sludge or carbon residue when thermally decomposed. |

General Description

No-Tox Food Grade Oven Chain Lubricant is designed to deliver and deposit the advanced food grade solid lubricants to the chain, side bars, sprockets, pins and bushings at various temperatures. The fluid carrier dissipates in a controlled manner with as little smoke as possible, while leaving no carbon residue.

No-Tox Food Grade Oven Chain Lubricant is an excellent fluid lubricant with exceptional Extreme Pressure (EP) and anti-wear characteristics for lubrication under hydrodynamic conditions at temperatures up to 260°C (500°F). After prolonged exposure to temperatures above 260°C (500°F), the base fluids of **No-Tox Food Grade Oven Chain Lubricant** volatilize, leaving the solid lubricant without sludge or carbon residue. The solid lubricant effectively lubricates up to 900°C (1652°F) in exposed areas. **No-Tox Food Grade Oven Chain Lubricant** contains solid lubricants. It should be agitated prior to application.

No-Tox Food Grade Oven Chain Lubricant, 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. 301565

NO-TOX FOOD GRADE OVEN CHAIN LUBRICANT

TYPICAL PROPERTIES

<u>Product No.</u>	<u>301565</u>
<u>Old Product No.</u>	<u>62058</u>
Viscosity (Base Fluid), ASTM D445 @ 40°C, cSt	227
@ 100°C, cSt	28.9
Viscosity Index (Base Fluid), ASTM D2270	165
Base Fluid Type	Synthetic Ester
Lubricating Solids Type	White-Graphite
Rust Test, ASTM D665, Procedure A & B	Pass
Copper Strip Corrosion, ASTM D130 3 hrs @ 100°C, rating	1A
Falex EP Test, ASTM D3233 Method B Non-seizure Load, lbf	3,500
4-Ball Wear Test, ASTM D4172 @ 1200 rpm, 40 kg, 1 hr, @ 75°C, Scar Diameter, mm	0.35
@ 1200 rpm, 40 kg, 1 hr, @ 204°C, Scar Diameter, mm	0.50
Evaporation Loss by TGA 2 hrs. @ 204°C, %	1.9
2 hrs. @ 232°C, %	5.6
Flash Point, ASTM D92, °C (°F)	271 (520)
Fire Point, ASTM D92, °C (°F)	299 (570)
Application Temperature Range °C	-25 to 232
(°F)	(-13 to 450)
Useful Temperature Range Fluid, °C	-25 to 232
Fluid, (°F)	(-13 to 450)
Dry Film, °C	232 to 900
Dry Film, (°F)	(450 to 1652)
Color	Milky White