



# PRODUCT DATA SHEET



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## NO-TOX<sup>®</sup> ULTRA F OIL

**No-Tox Ultra F Oil** is a series of multipurpose white mineral lubricating oils that are NSF H1 registered for use where incidental food contact may occur. **No-Tox Ultra F Oil**, available in 6 grades from ISO VG 32 to 460, is designed to give exceptional anti-wear, rust and corrosion protection in a wide range of applications including hydraulic systems, gear cases, chains, compressors, bearings and circulating systems and other applications found in the “clean” industries such as food, beverage, pharmaceutical and personal care products.

### *Applications*

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- ◆ Suitable for multi-service applications
- ◆ Hydraulic pumps, motors, actuators
- ◆ Compressors and vacuum pumps
- ◆ Enclosed gears include bevel, spur, helical and planetary gears
- ◆ Circulating systems, chains, bearings, spindles, joints and others

### *Features and Benefits*

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|----------------------------------|--|
| ◆ NSF H1 registered              | Use where incidental food contact may occur. |
| ◆ Compliances                    | Kosher and Pareve approved. Halal certified. |
| ◆ Excellent anti-wear properties | Excellent equipment protection.              |
| ◆ High demulsibility             | Excellent water separability.                |
| ◆ Rust and oxidation protection  | Long, trouble-free service life.             |

### *General Description*

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**No-Tox Ultra F Oil** is a line of Food Grade Lubricants that complies with all applicable food/health and safety regulations. It is especially formulated to meet the demanding needs of food and beverage industries. **No-Tox Ultra F Oil**, formulated with the highest quality USP white mineral 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, CGMP (current Good Manufacturing Practice) compliant, as well as Halal certified.

**Product No. 300057, 300172, 300095, TBD, 300173, 300034**

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## TYPICAL PROPERTIES

<b><u>Product No.</u></b>	<b><u>300057</u></b>	<b><u>300172</u></b>	<b><u>300095</u></b>
ISO Viscosity Grade	32	46	68
Viscosity, ASTM D445			
@ 40°C, cSt	33.8	47.9	71.6
@ 100°C, cSt	5.68	6.99	9.03
Viscosity, ASTM D2161			
@ 100°F, SUS	174	247	371
@ 210°F, SUS	45.3	50.0	56.7
Viscosity Index, ASTM D2270	107	102	100
Pour Point, ASTM D97			
°C (°F)	-15 (5)	-12 (10)	-8 (18)
Copper Strip Corrosion, ASTM D130			
3 hrs @ 100°C, rating	1a	1a	1a
Rust Test, ASTM D665, Procedure A & B	Pass	Pass	Pass
Demulsibility, ASTM D1401			
Oil/water/emulsion (time), ml/ml/ml (min)	40/40/0 (10)	40/40/0 (10)	40/40/0 (5)
Foam Test, ASTM D892			
Sequence I, II, III, ml/ml	Nil	Nil	Nil
4-Ball Wear Test, ASTM D4172			
@ 1200 rpm, 40 kg, 1 hr, 75°C			
Scar Diameter, mm	0.28	0.38	0.40
Flash Point, ASTM D92			
°C	221	220	223
(°F)	430	428	433
Specific Gravity, ASTM D1298, 60/60°F	0.865	0.865	0.870
Color	Water-white	Water-White	Water-white

# NO-TOX<sup>®</sup> ULTRA F OIL

## TYPICAL PROPERTIES

<u>Product No.</u>	<u>TBD</u>	<u>300173</u>	<u>300034</u>
ISO Viscosity Grade	100	220	460
Viscosity, ASTM D445			
@ 40°C, cSt	104	224	435
@ 100°C, cSt	12.0	20.3	33.9
Viscosity, ASTM D2161			
@ 100°F, SUS	541	1180	2306
@ 210°F, SUS	68.0	102	165
Viscosity Index, ASTM D2270	105	105	115
Pour Point, ASTM D97			
°C (°F)	-15 (5)	-22 (-8)	-21 (-6)
Copper Strip Corrosion, ASTM D130			
3 hrs @ 100°C, rating	1a	1a	1a
Rust Test, ASTM D665, Procedure A & B	Pass	Pass	Pass
Demulsibility, ASTM D1401			
Oil/water/emulsion (time), ml/ml/ml (min)	40/40/0 (10)	40/40/0 (10)	40/40/0 (20)
Foam Test, ASTM D892			
Sequence I, II, III, ml/ml	Nil	Nil	Nil
4-Ball Wear Test, ASTM D4172			
@ 1200 rpm, 40 kg, 1 hr, 75°C			
Scar Diameter, mm	0.38	0.41	0.40
Flash Point, ASTM D92			
°C	263	255	232
(°F)	505	491	450
Specific Gravity, ASTM D1298, 60/60°F	0.874	0.876	0.876
Color	Water-white	Water-white	Water-white