



No-Tox[®] HD Food Grade Grease

PRODUCT DESCRIPTION

Bel-Ray[®] No-Tox[®] Food Grade HD Food Grade Grease is a white mineral oil based, aluminum complex grease. No-Tox HD Food Grade Grease is fortified with low friction lubricating solids, Extreme Pressure and anti-wear additives, rust and corrosion inhibitors, a special polymer for tackiness, and improved resistance to water washout. It has the ability to continue providing exceptional film strength in Extreme Pressure situations even after water wash-downs. No-Tox HD Food Grade Grease is an excellent general-purpose grease for the “clean” industries such as food, beverage, pharmaceutical and personal care products.



No-Tox HD Food Grade Grease, 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, Halal certified, and ISO 21469 certified.

Nonfood Compounds
H1 Registered,
ISO 21469 Certified

PRODUCT FEATURES and BENEFITS

- NSF H1 registered and ISO 21469 certified
- Kosher and Pareve approved
- Halal certified
- Bacteriological protection effectively inhibits the growth of certain bacteria, yeast, and mold in the lubricant.
- Aluminum complex thickener and special polymer
- Enhanced Extreme pressure and anti-wear properties maximizes component life helping to reduce replacement part costs and lost product time.
- Virtually waterproof

APPLICATIONS

Bel-Ray No-Tox HD Food Grade Grease is recommended for most heavy-duty grease applications in food, beverage, and pharmaceutical plants. This includes plain and anti-friction bearings, bushings, slides, guides, extreme pressure applications, and wet and wash-down areas.

DISTRIBUTED BY:
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4/30/2026

PRODUCT DATA

Typical Properties			
Property	Test Method	NLGI Grade 1	NLGI Grade 2
Thickener Type		Aluminum Complex	Aluminum Complex
Texture		Smooth, Tacky	Smooth, Tacky
Worked Penetration @ 25°C, 60 strokes (0.1 mm)	ASTM D217	325	280
Density @ 15°C (g/mL)	ASTM D4052	0.898	0.911
Base Fluid Viscosity @ 40°C (cSt)	ASTM D445	208	208
Base Fluid Viscosity @ 100°C (cSt)	ASTM D445	18.5	18.5
Base Fluid Viscosity Index	ASTM D2270	98	98
Dropping Point, °C (°F)	ASTM D2265	>260 (>500)	>260 (>500)
Water Washout @79°C (175°F), % loss	ASTM D1264	4.5	2.5
Oxidation Stability, Pressure drop @ 100 hrs (kPa)	ASTM D942	21 (3)	21 (3)
Oil Separation, @ 100°C, 30 h (Wt %)	ASTM D6184	6.67	4.14
4-Ball EP Test, Weld Load (kgf)	ASTM D2596	200	250
4-Ball EP Test, Load-Wear Index (kgf)	ASTM D2596	37	47
4-Ball Wear Test, @ 1200 rpm, 40 kgf, 60 min, 75°C Scar Diameter (mm)	ASTM D2266	0.45	0.45
Flash Point (Base Fluid), °C (°F)	ASTM D92	250 (482)	250 (482)
Pour Point (Base Fluid), °C (°F)	ASTM D97	-9 (-15)	-9 (-15)
Corrosion Preventive Properties	ASTM D1743	Pass	Pass
Useful Temperature Range, °C (°F)		-9 to 177 (15 to 350)	-9 to 177 (15 to 350)
Color		White	White

HEALTH and SAFETY

Health and safety recommendations for products can be found on the Safety Data Sheet (SDS) at www.belray.com