

11124MP01

**BEL-RAY NO-TOX® HD FOOD GRADE GREASE**  
FOOD GRADE HEAVY DUTY UNIVERSAL GREASE

**DESCRIPTION**

Whenever there is a potential risk of a lubricant contaminating food products, the risk must be made manageable by means of the HACCP method. This can be done by application of Bel-Ray No-Tox® HD Food Grade Grease. The lubricant satisfies the legal requirements. The lubricant meets the following norms:

1. Code of Federal Regulations 21 CFR 178.3570
2. NSF H1
3. See for registration <http://www.nsf.org/usda/psnclistings.asp>
4. Pareve and Kosher declaration
5. In the possession of a Halal declaration
6. Compliant with ISO 21469.

Bel-Ray No-Tox® HD Food Grade Grease is a universal, strongly adhesive lubricant meeting the same high requirements as good EP lubricants. Bel-Ray No-Tox® HD Food Grade Grease may be utilised at all places where the lubricant may come into contact with food products.

**COMPOSITION**

Bel-Ray No-Tox® HD Food Grade Grease consists of pharmaceutical oil, an aluminium complex thickening agent and additives. This formula has the following result: A grease of exceptionally high quality, suitable for incidental contact with food products.

All ingredients have been approved under the Food Additive Regulation 21 CFR 178.3570.

The application of bactericide substances is a unique aspect of the composition of Bel-Ray No-Tox® HD Food Grade Grease.

Suitable for incidental contact with food products, this lubricant will enable you to succeed in controlling contamination caused by toxic physical and chemical substances as well as bacterial contamination. In this way, all the requirements of the HACCP concept are met.

**PROPERTIES**

- Food grade: may incidentally come into contact with food products;
- Water-resistant (almost waterproof);
- Excellent anti-wear properties, suitable for heavy loads;
- Suitable for an extended operating temperature range;
- Contains solid lubricants for excellent sliding properties;
- Resistant to chemical cleaning agents, steam and hot water;
- High mechanical stability, resulting in a long lifespan of the grease;
- High metal affinity resulting in a strong adhesion of the grease;
- The mentioned bactericides block growth of bacteria, yeast and fungi.

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**APPLICATIONS**

- Universal lubricant for the food industry;
- Rolling-contact bearings exposed to an operating temperature range from -9°C to +177°C and to heavy loads;
- All types of bearings functioning under wet conditions;
- Automatic lubrication equipment;
- At all places where hygiene is essential and where the lubricant may come into contact with food products;
- Seals, sliding surfaces and a great number of other moving components;
- Guides and grease-lubricated chains and gear boxes;
- Bearings of flange machines and flanging heads of can seamer machines.

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**SPECIFICATIONS**

NLGI class	00	0	1	2	Method
Worked penetration, 60 strokes, mm/10	415	370	325	280	ASTM D217
Drop point, °C	-	240	>+260	>+260	ASTM D2265
Thickener type	Aluminium complex	Aluminium complex	Aluminium complex	Aluminium complex	
Solid lubricants	PTFE, ZnO	PTFE, ZnO	PTFE, ZnO	PTFE, ZnO	
Operating temperature range, °C	-9°C to +177°C	-9°C to +177°C	-9°C to +177°C	-9°C to +177°C	
Specific Weight			0,899	0,912	ASTM D941
Viscosity basic oil, mm <sup>2</sup> /s 40°C 100°C	208 18,5	208 18,5	208 18,5	208 18,5	ASTM D445
Viscosity index basic oil,	98	98	98	98	ASTM D2270
Flash point basic oil, °C	+250	+250	+250	+250	ASTM D92
Solidification point basic oil, °C	-9	-9	-9	-9	ASTM D97
Oil separation, 100°C, 30 hrs, % separation	-	7,55	6,67	4,14	ASTM D6184
Water resistance test, 79°C, % wash out	-	5,5	4,5	2,5	ASTM D1264
4 ball EP test, weld load, kg	200	200	200	200	ASTM D2596
4 ball wear test, 1,200 rpm, 40 kg, 1hr, 75°C, wear spot diameter, mm	0,45	0,45	0,45	0,45	ASTM D2266
Oxidation stability, Druck reduction, 100 hrs, kPa	21	21	21	21	ASTM D942
Rust test, rating	Pass	Pass	Pass	Pass	ASTM D1743
Structure	Smooth Tacky	Smooth, Tacky	Smooth, Tacky	Smooth, Tacky	
Colour	White	White	White	White	
NSF registration number	126326	126325	126324	126377	

\* NSF H1 registration available upon request.

**Disclaimer**

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