

Food Machinery Lubricant

Food oil



Characteristics

NSF Reg. No. 140 807
Category Code: H1

Bardahl Food Machinery Lubricant/Food Oil is a premium lubricant designed for use in the food and pharmaceutical industries, created from finely refined medicinal-grade paraffinic mineral oils and enriched with special, harmless additives. It meets the strict standards of the Food and Drugs Administration (FDA) and the United States Department of Agriculture (USDA), making it safe for incidental contact with foods. This product is characterized by its non-toxicity and the fact that it is odorless, tasteless and absolutely neutral, which means that it does not cause spoilage of the food. It is specifically formulated to provide long-lasting lubrication and can withstand a wide range of chemicals, temperatures, and other challenging conditions without the formation of deposits. Bardahl has made this grease available in spray form to ensure efficient diffusion and application, in accordance with dairy regulations recommended by the U.S. Department of Health (U.S.P.).

Application

The applications of Bardahl Food Machinery Lubricant/Food Oil are diverse and essential for smooth operation within food production and processing. It is ideal for use on machinery and machine parts such as in slaughterhouses, butcher shops, tin factories, bakeries, water treatment plants, pet food factories, pharmaceutical factories, and more. This lubricant ensures optimal performance of glass and paper filling machines, sanitary machines, roller bearings, and any other material or surface that is regularly cleaned and comes into direct contact with food. Due to its exceptional protection against corrosion and wear, as well as the ability to support many other industrial lubrication applications, it provides a versatile and reliable solution for the maintenance needs of a wide range of industries.

Safety Data Sheet (MSDS)

Safety Data Sheets (MSDS) for Bardahl products are available upon request. These documents, which provide detailed safety information about the product, can be accessed through Bardahl's official website. Moreover, you can also obtain it by contacting a representative at Bardahl directly. This ensures that users and processors of Bardahl products have the necessary information on the safe use, handling and storage of these industrial lubricants.

NSF

The NSF certification is a quality brand mark that is recognized worldwide for products used in the food industry, including Bardahl Food Products. This certification is awarded by NSF International, an independent organization that protects public health and safety. An NSF certificate ensures that the product meets strict standards for hygiene, safety, and quality. For food and pharmaceutical manufacturers and processors, the use of NSF-certified products is crucial, as it helps ensure the safety of their manufacturing processes and the final product. This contributes to consumers' confidence in the safety of the foods they consume and supports regulatory compliance. The use of NSF-certified lubricants is an essential step for companies striving for the highest operational standards and quality assurance in their manufacturing processes.

Key Benefits to Consider

Core Product Features of Bardahl Food Machinery Lubricant

- ✓ Temperature range: Functional from -50°C to +200°C, with short-term resistance down to -70°C and +235°C.
- ✓ Chemical Resistance: High resistance to chemicals, acids, ozone, oxygen, water, oil, and greases.
- ✓ Non-Toxic: Absolutely safe for use in the food, pharmaceutical and cosmetic industries.
- ✓ Excellent Dielectric Properties: Stable at different temperatures, ideal for electrical insulation.
- ✓ Can be used as a release agent: Effective for plastics, rubber, and in foundry processes.

Certificates & Standards

- ✓ NSF Policy Number: 140 807
- ✓ Category code: H1
- ✓ Complies with FDA standard 21 CFR 172 878

Category	Results				
Viscosity ISO 3448	22	32	46	68	100
Colour, ASTM D-1500	0,5	0,5	0,5	0,5	0,5
Viscosity at 40°C, ASTM D-1500	22	32	46	68	100
Viscosity index ASTM D97, °C	140 min	135 min	135 min	110 min	100 min
Freezing point ASTM D-97, °C	-35 max	-30 max	-25 max	-25 max	-25 max
Flashpoint ASTM D92, °C	170 min	170 min	190 min	200 min	215 min
Acidity ASTM-974	0,8 max	0,8 max	0,8 max	0,8 max	0,8 max
Anilinunt ATSM 611, °C	105 min	105 min	105 min	105 min	105 min
Corrosion on copper ASTM D-130 3 hours at 100°C	1a	1a	1a	1a	1a
Emulsion exponent	(15')	(15')	(15')	(15')	(15')

Content Availability	Unit	Article number	
Aerosol	400 ml	72604	✓

Bardahl – For a world without friction

Bardahl is committed to providing advanced lubrication solutions tailored to your specific needs. With a focus on innovation and technical excellence, we have been serving a wide range of industries worldwide for over eight decades. Our team of experts, driven by a passion for tribology, provides personalized support and advice to ensure the success of our clients in different markets. Leveraging our extensive experience, we develop high-quality lubricants that are designed to meet the changing requirements of our customers.

The document's data is based on Bardahl's extensive experience and is aimed at technically experienced readers and provides insight into potential applications. It is important to note that the document does not guarantee product features, and users must conduct their own preliminary tests for specific applications. The data provided are indicative and depend on the composition, use and application method of the lubricant. Because the performance of lubricants can vary under different mechanical, dynamic, chemical, and thermal conditions, these factors can affect the functionality of components. Bardahl encourages direct contact to discuss specific applications and is open to providing samples for testing. Please note that Bardahl is constantly improving its products and reserves the right to change technical data at any time.