

Bardahline 15

Pneumatic Food Graded Oil



NSF Reg. No. 140 283 / 140 981
Category Code: 3H / H1

Characteristics

Bardahline 15, part of a line of specialty food-grade oils, is designed for use in pneumatic circuits and fine mechanisms within the food and pharmaceutical industries. Characterized by its very thin, refined mineral composition, this oil meets FDA 21 CFR 172-878 and 178-3620a standards for direct food contact, emphasizing safety and compatibility for applications where it is critical. **Bardahline 15** is registered under NSF number 140283, with a category classification of 3H/H1, underlining the versatility and safety of the product for both direct contact with food (3H) and incidental contact (H1) applications.

Application

The applications of **Bardahline 15** are diverse and include its use as a pneumatic oil in the food and pharmaceutical industries, for the lubrication of delicate mechanisms such as sewing machines, and for protecting or easily removing casting dies. The unique properties of this oil, including the fact that it is odorless, colorless, and tasteless, along with its chemical inertia and biodegradability, make it an ideal lubricant for a wide range of industrial applications. It provides complete safety for humans and animals and is hydrophobic, adding to its durability and effectiveness in humid environments. Its physical and chemical characteristics, such as a viscosity of 15.5 mm²/s at 40°C and a flash point of 200°C, ensure optimal performance under a wide spectrum of operating conditions.

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 Bardahlne 15

- ✓ Synthetic Base: Formulated with very thin refined mineral oils.
- ✓ Temperature range: Effective in a wide range from -15°C to +200°C.
- ✓ Odorless, Colorless, Tasteless: Safe and neutral for use in food processing.
- ✓ Chemically Inert: Provides stability and is biodegradable.
- ✓ Excellent Lubrication Properties: Ideal for pneumatic circuits and delicate mechanisms.
- ✓ Viscosity: 15.5 mm²/s at 40°C, ensuring optimal lubrication under operating temperatures.
- ✓ High Flashpoint: More than 200°C, which increases the safety at high temperatures.

Certificates & Standards

- ✓ NSF Policy Number: 140 283/140981
- ✓ Category code: 3H / H1
- ✓ Food-Grade Oil: Complies with FDA 21 CFR 172-878 and 178-3620a for direct contact with food.

Test Category	Method	Unit	Results
Density	D 1298		0,855
Viscosity at 40°C	NFT 60-100	mm ² /s	15,5
Viscosity at 20°C	NFT 60-100	mm ² /s	35
Flashpoint VO	NFT 60-118	°C	
Pour point	NFT 60-105	°C	
Viscosity index			98

Content Availability	Unit	Article number	
Pail	5 liter	31583	✓
Drum	60 liter	31585	✓
Drum	210 liter	31587	✓

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.