

STRUCTOVIS HD

Mineral oil-based special lubricants



Benefits for your application

- Good wear protection
- Good corrosion protection
- Adhesive
- Noise dampening (depending on viscosity)
- Emergency lubricating properties (BHD MF)

Description

STRUCTOVIS HD is a special lubricant series based on mineral oil and available in different viscosity grades.

The STRUCTOVIS types AHD to EHD, BHD MF and BHD 75 S contain special adhesion improvers, the type BHD MF the solid lubricant MoS_2 for improved emergency lubricating properties. STRUCTOVIS BHD 75 S contains a flammable solvent. All STRUCTOVIS HD types offer good wear and corrosion protection. The STRUCTOVIS types provided with an adhesion improver are extremely adhesive thus reducing considerably the risk of contamination due to oil leakage, especially at high chain speeds. The STRUCTOVIS types of higher viscosity (AHD to CHD) may also reduce noise of chains.

Note: The product data of STRUCTOVIS BHD Spray and STRUCTOVIS BHD 75 S refer to the solvent-free active agent.

Application

STRUCTOVIS HD lubricants are used for driving, control and conveyor chains. STRUCTOVIS BHD and BHD 75 S have proven particularly effective for the initial lubrication of steel link chains by the chain manufacturer.

Application notes

Depending on the viscosity STRUCTOVIS HD can be applied by drip-feed or automatic lubrication systems, oil feeders or brush. When using automatic systems please observe the maximum viscosity specified by the manufacturer. If STRUCTOVIS BHD is applied by the chain manufacturer we recommend an immersion bath temperature between 80 and 90 °C. The low-viscosity HD types (up to 460 mm²/s at 40 °C) and BHD 75 S (please also observe safety data sheet) can also be applied in a cold-bath process. The chain should remain in the bath until no more air bubbles rise to the surface.

Material safety data sheets

Material safety data sheets can be requested via our website www.klueber.com. You may also obtain them through your contact person at Klüber Lubrication.

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Pack sizes	STRUCTOVIS AHD	STRUCTOVIS BHD	STRUCTOVIS BHD MF
Canister 5 l	+	+	+
Canister 20 l	+	+	+
Drum 200 l	-	+	+
Aerosol can 250 ml	-	-	-
Aerosol can 400 ml	-	-	-



STRUCTOVIS BHD 75 S	STRUCTOVIS BHD Spray	STRUCTOVIS CHD	STRUCTOVIS EHD	STRUCTOVIS FHD	STRUCTOVIS FHD Spray	STRUCTOVIS GHD
+	-	+	+	+	-	+
+	-	+	+	+	-	+
-	-	-	+	+	-	+
-	+	-	-	-	-	-
-	+	-	-	-	+	-

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Note

Except for the article number and the minimum shelf life, the spray data below refer to the solvent-free spray agent.



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Product data	STRUCTOVIS AHD	STRUCTOVIS BHD	STRUCTOVIS BHD MF
Article number	016001	016002	002027
Lower service temperature	0 °C / 32 °F	-5 °C / 23 °F	-5 °C / 23 °F
Upper service temperature	120 °C / 248 °F	120 °C / 248 °F	120 °C / 248 °F
Colour space	brown	brown	black
Density, DIN 51757, 20 °C	approx. 0.91 g/cm³	approx. 0.91 g/cm³	
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 7 500 mm²/s	approx. 4 750 mm²/s	approx. 4 750 mm²/s
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	24 months	24 months	12 months



STRUCTOVIS BHD 75 S	STRUCTOVIS BHD Spray	STRUCTOVIS CHD	STRUCTOVIS EHD	STRUCTOVIS FHD	STRUCTOVIS FHD Spray	STRUCTOVIS GHD
015061	120108	016003	016005	016006	081340	015014
-5 °C / 23 °F	-5 °C / 23 °F	-5 °C / 23 °F	-5 °C / 23 °F	-10 °C / 14 °F	-10 °C / 14 °F	-10 °C / 14 °F
120 °C / 248 °F	120 °C / 248 °F	120 °C / 248 °F	120 °C / 248 °F	120 °C / 248 °F	120 °C / 248 °F	120 °C / 248 °F
brown	brown	yellow	brown	brown	brown	brown
approx. 0.88 g/ cm ³	approx. 0.91 g/ cm ³	approx. 0.91 g/ cm ³	approx. 0.89 g/ cm ³	approx. 0.89 g/ cm ³	approx. 0.89 g/ cm ³	approx. 0.89 g/ cm ³
approx. 4 750 mm ² /s	approx. 4 750 mm ² /s	approx. 2 000 mm ² /s	approx. 460 mm ² / s	approx. 150 mm ² / s	approx. 150 mm ² / s	approx. 68 mm ² /s
24 months	36 months	24 months	24 months	24 months	36 months	24 months



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Klüber Lubrication – your global specialist

Innovative tribological solutions are our passion. Through personal contact and consultation, we help our customers to be successful worldwide, in all industries and markets. With our ambitious technical concepts and experienced, competent staff we have been fulfilling increasingly demanding requirements by manufacturing efficient high-performance lubricants for more than 80 years.

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The data in this document is based on our general experience and knowledge at the time of publication and is intended to give information of possible applications to a reader with technical experience. It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary field tests with the product selected for a specific application. All data are guide values which depend on the lubricant's composition, the intended use and the application method. The technical values of lubricants change depending on the mechanical, dynamical, chemical and thermal loads, time and pressure. These changes may affect the function of a component. We recommend contacting us to discuss your specific application. If possible we will be pleased to provide a sample for testing on request. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this document at any time without notice.

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