

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, BHD 75 S and EHD MF contain special adhesion improvers, the types BHD MF and EHD MF the solid lubricant MoS₂ 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.

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.

Minimum shelf life

The minimum shelf life is approx. 24 months if the product is stored in its unopened original container in a dry, frost-free place, and approx. 12 months for STRUCTOVIS BHD MF and EHD MF.

STRUCTOVIS HD

- Good wear protection
- Good corrosion protection
- Adhesive
- Noise dampening (depending on viscosity)
- Emergency lubricating properties (BHD MF and EHD MF)
- STRUCTOVIS BHD Spray, EHD and FHD are NSF-H2 registered products

Pack sizes

5 l canister (except AHD, CHD, GHD)
20 l canister (except BHD MF, EHD MF)
200 l drum: only FHD, GHD

STRUCTOVIS BHD also available in:

12 x 250 ml aerosol cans
48 x 250 ml aerosol cans
72 x 250 ml aerosol cans

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

STRUCTOVIS HD

Mineral oil-based special lubricants



Product data

STRUCTOVIS	AHD	BHD/ BHD Spray ¹	BHD MF	BHD 75 S ¹	CHD	EHD/ EHD MF	FHD	GHD
Service temperature range* [°C], approx.	0 to 120	-5 to 120	-5 to 120	-5 to 120	-5 to 120	-5 to 120	-10 to 120	-10 to 120
Color	brown	brown	black	brown	brown	brown/ black	brown	brown
Density, DIN 51757 at 20 °C, [g/cm ³], approx.	0.91	0.91	0.91	0.88	0.91	0.89	0.89	0.89
Kinematic viscosity, DIN 51562 pt. 01, 40 °C, [mm ² /s], approx.	7500	4750	4750	4750	2000	460	150	68

¹ Data of the solvent-free lubricant

* Service temperatures are guide values which depend on the lubricant's composition, the intended use and the application method. Lubricants change their consistency, apparent dynamic viscosity or viscosity depending on the mechano-dynamical loads, time, pressure and temperature. These changes in product characteristics may affect the function of a component.

The data in this product information is based on our general experience and knowledge at the time of printing 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 tests with the selected product. We recommend contacting our Technical Consulting Staff to discuss your specific application. If required and possible we will be pleased to provide a sample for testing. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this product information at any time without notice.



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