STRUCTOVIS HD

Mineral oil-based special lubricants

Your benefits at a glance

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

Your requirements - our solution

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.

Pack sizes	STRUCTOVIS AHD	STRUCTOVIS BHD	STRUCTOVIS BHD MF	STRUCTOVIS BHD 75 S
Aerosol can 250 ml				
Aerosol can 400 ml				
Canister 5 l	+	+	+	+
Canister 20 l	+	+	+	+
Drum 200 l		+	+	

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Pack sizes	STRUCTOVIS BHD Spray	STRUCTOVIS CHD	STRUCTOVIS EHD	STRUCTOVIS FHD
Aerosol can 250 ml	+			
Aerosol can 400 ml	+			
Canister 5 l		+	+	+
Canister 20 l		+	+	+
Drum 200 l			+	+

Pack sizes	STRUCTOVIS FHD Spray	STRUCTOVIS GHD
Aerosol can 250 ml		
Aerosol can 400 ml	+	
Canister 5 l		+
Canister 20 l		+
Drum 200 l		+

Hint

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

Characteristics	STRUCTOVIS AHD	STRUCTOVIS BHD	STRUCTOVIS BHD MF	STRUCTOVIS BHD 75 S
Article number	016001	016002	002027	015061
Colour space	brown	brown	black	brown
Service temperature, lower limit	0 °C	-5 °C	-5 °C	-5 °C
Service temperature, upper limit	120 °C	120 °C	120 °C	120 °C
Density, DIN 51757, 20°C	approx. 0.91 g/cm³	approx. 0.91 g/cm³	-	approx. 0.88 g/cm³
ISO viscosity grade, DIN ISO 3448, ISO VG	-	-	-	-
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	approx. 7500 mm²/s	approx. 4750 mm²/s	approx. 4750 mm²/s	approx. 4750 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	18 months	36 months

Characteristics	STRUCTOVIS BHD Spray	STRUCTOVIS CHD	STRUCTOVIS EHD	STRUCTOVIS FHD
Article number	120108	016003	016005	016006

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Characteristics	STRUCTOVIS BHD Spray	STRUCTOVIS CHD	STRUCTOVIS EHD	STRUCTOVIS FHD
Colour space	brown	yellow	brown	brown
Service temperature, lower limit	-5 °C	-5 °C	-5 °C	-10 °C
Service temperature, upper limit	120 °C	120 °C	120 °C	120 °C
Density, DIN 51757, 20°C	approx. 0.91 g/cm³	approx. 0.91 g/cm³	approx. 0.89 g/cm³	approx. 0.89 g/cm³
ISO viscosity grade, DIN ISO 3448, ISO VG	-	-	-	150
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	approx. 4750 mm²/s	approx. 2000 mm²/s	approx. 460 mm²/s	approx. 150 mm²/s
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	36 months	24 months	24 months	36 months

Characteristics	STRUCTOVIS FHD Spray	STRUCTOVIS GHD
Article number	081340	015014
Colour space	brown	brown
Service temperature, lower limit	-10 °C	-10 °C
Service temperature, upper limit	120 °C	120 °C
Density, DIN 51757, 20°C	approx. 0.89 g/cm³	approx. 0.89 g/cm³
ISO viscosity grade, DIN ISO 3448, ISO VG	-	-
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	approx. 150 mm²/s	approx. 68 mm²/s
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	36 months	24 months

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 95 years.

Klüber Lubrication München GmbH & Co. KG /
Geisenhausenerstraße 7 / 81379 München / Germany /
phone +49 89 7876-0 / fax +49 89 7876-333.

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