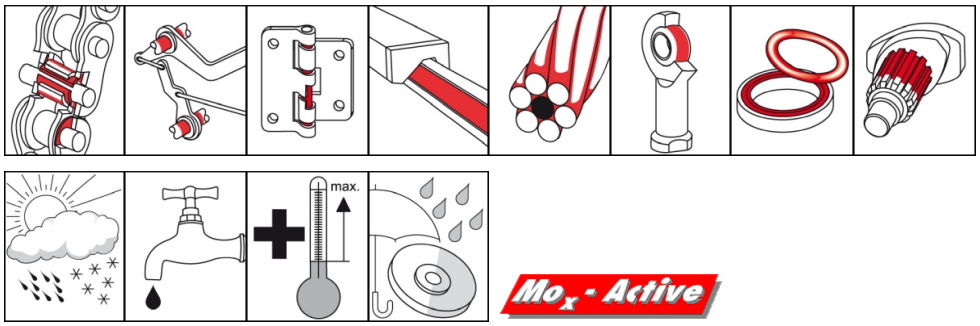


PRODUCT INFORMATION

a product brand of KLÜBER LUBRICATION

OKS 450
Chain and Adhesive Lubricant



Description

Fully synthetic adhesive lubricant for the lubrication of fast-running chains and machine elements indoors and outdoors that are subjected to high loads or corrosive influences.

Applications

- Driving and conveyor chains of all designs in open or semi-enclosed operation without a re-lubrication device
- Roller chains such as motorcycle and bicycle chains
- Stacker truck chains as well as single or multiple flat-link articulated chains without a re-lubrication device
- Rope drives and wire pulls; for example, standing, hoisting, traction or winch ropes in hoisting gears, elevators, lifts or mountain railways
- Flexible drives, bowden and spring cables
- Moving machine parts exposed to outdoor weathering, such as toothed gearing, guides, closing mechanisms, hinges or sliding surfaces

Advantages and benefits

- Highly effective due to outstanding creep and gap penetration properties
- Highly adhesive and resistant to throwing off
- Contains Mox-Active for increased performance
- Excellent wear protection
- Very good resistance to cold and hot water as well as to saline solutions
- Excellent corrosion protection
- O-ring neutral
- Also available as spray version OKS 451

Branches

- Iron and steel industry
- Logistics
- Plant and machine (tool) engineering
- Glass and foundry industry
- Rubber and plastic processing
- Rail vehicle technology
- Municipal services
- Paper and packaging industry
- Chemical industry
- Shipbuilding and marine technology

© Klüber Lubrication München GmbH & Co. KG



PRODUCT INFORMATION

a product brand of KLÜBER LUBRICATION

OKS 450
Chain and Adhesive Lubricant

Application tips

For best adhesion, clean the surfaces. Best way is to clean mechanically first and then with OKS 2610/OKS 2611 universal cleaner. Apply OKS 450 with a brush, drip oiler or by immersion or using a suitable automatic lubrication system locations to be lubricated. SAllow excess to drip off and wait for lubricant to penetrate before resuming operation. Observe the machine manufacturer's instructions. Assess the lubrication frequency and quantity on basis of service conditions, avoid excessive lubrication. Only mix with suitable lubricants.

Packaging

- 1 l Bottle
- 5 l Canister
- 25 l Canister
- 200 l Drum

Technical data

	Standard	Conditions	Unit	Value
Main components				
base oil				synthetic oil mixture
additives				adhesion improver
additives				Mox-Active
Application related technical data				
marking	DIN 51 502			CLP X 320
viscosity	DIN 51 562-1	at 40°C	mm^2/s	300
viscosity class	DIN ISO 3448	DIN 51 562-1, 40°C	ISO VG	320
flashing point	DIN EN 22 719	> 79	°C	164
lower operating temperature			°C	-30
upper operating temperature			°C	200
colour				brown-transparent
density	DIN EN ISO 3838	at 20°C	g/cm^3	0.89
four-ball test rig welding load	DIN 51 350-2		N	2,400
Properties and approvals				
UFI				U5G1-N012-N002-XN67

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

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.

© Klüber Lubrication München GmbH & Co. KG