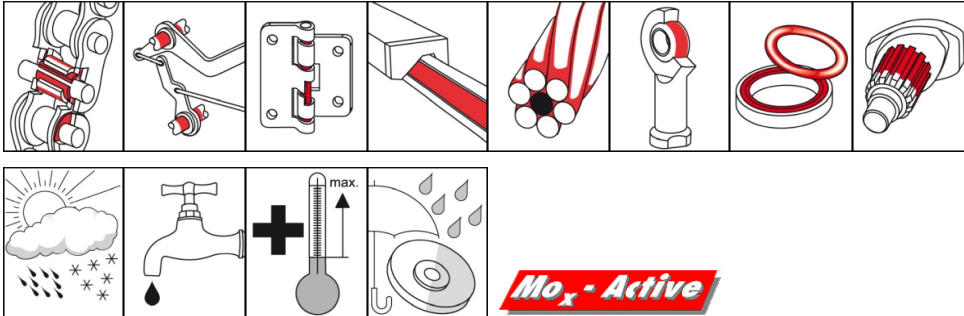# OKS 451
## Chain and Adhesive Lubricant, Spray

## 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

## Branches

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

## Advantages and benefits

- Highly effective due to outstanding creep and gap penetration properties
- Highly adhesive and resistant to throwing off
- Contains $Mo_x$-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
- Duolabel

## Application tips

For best adhesion, clean the surfaces. Best way is to clean mechanically first and then with OKS 2610/OKS 2611 universal cleaner. Spray on evenly OKS 451 spray. Allow excess to drip off and wait for lubricant to penetrate before resuming operation. In as far as available, 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.

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ISO 14001 Certified Environmental Management System www.tuvsud.com/ms-cert

ISO 45001 Certified Occupational Health and Safety Management System www.tuvsud.com/ms-cert

# OKS 451
## Chain and Adhesive Lubricant, Spray

### Packaging

- 400 ml Spray

### Technical data

| | Standard | Conditions | Unit | Value |
|---|---|---|---|---|
| **Main components** | | | | |
| base oil | | | | synthetic oil mixture |
| additives | | | | adhesion improver |
| additives | | | | Mo$_x$-Active |
| **Application related technical data** | | | | |
| marking | DIN 51 502 | | | CLP X 320 |
| viscosity (at 40°C) | DIN 51 562-1 | | mm²/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 (at 20°C) | DIN EN ISO 3838 | | g/cm³ | 0.67 |
| four-ball test rig welding load | DIN 51 350-2 | | N | 2,400 |
| **Properties and approvals** | | | | |
| UFI | | | | VXD1-G02R-P006-RS1J |

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