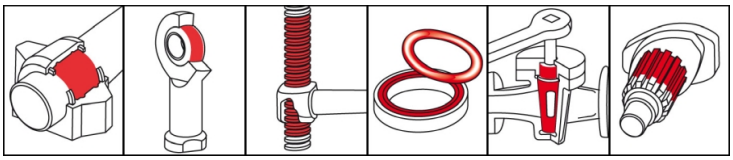
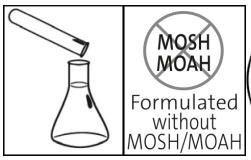
PRODUCT INFORMATION

a product brand of KLÜBER LUBRICATION

OKS 477
Valve Grease





Description

OKS 477 is valve grease for food processing technology.

Applications

- Sealing lubrication of sliding surfaces, e.g. ground-in parts such as taper plugs, dosing plungers, valves, beer taps etc.
- Maintenance lubrication of plastic and rubber parts, as well as stuffing boxes, lip seals and O-rings
- Rolling and friction bearing lubrication in slow-running areas, toothing or chains on filling and packaging machines, stirring and grinding mechanisms etc.

Branches

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

Advantages and benefits

- Highly effective due to proven lubricant formula
- Fulfils most demanding hygienic requirements. Reduced maintenance and lubricant costs due to possible long-term lubrication
- Resistant to hot and cold water, water vapour, wateryalkaline and acidic disinfectants and cleaning agents
- Neither hard residues result, nor is there a tendency to soften or drip due to pasteurisation or sterilization
- Odour and taste-free, and does not affect the properties of beer foam
- Toxicologically harmless as defined in German LFGB
- Commodities Act. NSF H1 registration number 135 750
- Tested according the UBA-guideline for the hygenic evaluation of lubricants in contact with potable water
- NSF H1 registered
- Formulated without MOSH/MOAH

Application tips

For best results clean the lubricating point carefully. Clean with solvents like OKS 2610/OKS 2611 Universal Cleaner. Use a brush, spatula or similar to apply grease evenly thin to the functional surface. Remove excess grease. Observe the instructions of machine manufacturer. Relubrication intervals and amount to be defined acc. to the service conditions. Only mix with appropriate lubricants.

Packaging

- 80 ml Tube
- 1 l Can
- 5 l Hobbock

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Technical data

	Standard	Conditions	Unit	Value
Main components				
base oil				polyalphaolefine
thickener				silicate
Application related technical data				
marking	DIN 51 502	DIN 51 825		MHC3N-10
Viscosity base oil	DIN 51 562-1	at 40°C	mm^2/s	1,600
Viscosity base oil	DIN 51 562-1	at 100°C	mm^2/s	155
pour point	DIN ISO 3016	3°C step	°C	-20
flashing point	DIN ISO 2592	> 79	°C	> 200
drop point	DIN ISO 2176		°C	without
consistency	DIN 51 818	DIN ISO 2137	NLGI grade	3
worked penetration	DIN ISO 2137	60DH	0.1 mm	220-250
flow pressure	DIN 51 805	-10°C	mbar	< 1,400
lower operating temperature			°C	-10
upper operating temperature			°C	140
colour				light brown
density	DIN EN ISO 3838	at 20°C	g/cm^3	0.91
water resistance	DIN 51 807-1	90°C	Degree	0-90
SKF-EMCOR Copper	DIN 51 811	24h, 100°C	corr. degree	1-100
Product specific technical data				
apparent dynamic viscosity	DIN 51 810	D 300s-1, ni and ne	mPa s	20,000
Properties and approvals				
approval for food processing technology				NSF H1, Reg.-Nr. 135750
drinking water approval	UBA guideline (D)			test certificate HyCert-2-347253-21-Hy210
Tested for beer foam compatibility				approval of the BPV Weihenstephan

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