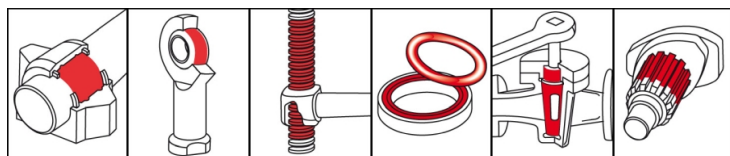


## OKS 477 Valve Grease



### 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

### 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

### 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 hygienic evaluation of lubricants in contact with potable water
- NSF H1 registered
- MOSH/MOAH-free (as per recipe)

# OKS 477

## Valve Grease

### Technical data

|                                           | Standard          | Conditions          | Unit               | Value                                     |
|-------------------------------------------|-------------------|---------------------|--------------------|-------------------------------------------|
| <b>Main components</b>                    |                   |                     |                    |                                           |
| base oil                                  |                   |                     |                    | polyalphaolefine                          |
| thickener                                 |                   |                     |                    | silicate                                  |
| <b>Application related technical data</b> |                   |                     |                    |                                           |
| marking                                   | DIN 51 502        | DIN 51 825          |                    | MHC3N-10                                  |
| viscosity (base oil)                      | DIN 51 562-1      | at 40°C             | mm <sup>2</sup> /s | 1,600                                     |
| viscosity (base oil)                      | DIN 51 562-1      | at 100°C            | mm <sup>2</sup> /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 <sup>3</sup>  | 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                                     |
| <b>Product specific technical data</b>    |                   |                     |                    |                                           |
| apparent dynamic viscosity                | DIN 51 810        | D 300s-1, ni and ne | mPa s              | 20,000                                    |
| <b>Properties and approvals</b>           |                   |                     |                    |                                           |
| approval for food processing technology   |                   |                     |                    | <a href="#">NSF H1, Reg.-Nr. 135750</a>   |
| drinking water approval                   | UBA guideline (D) |                     |                    | test certificate HyCert-2-347253-21-Hy210 |
| Tested for beer foam compatibility        |                   |                     |                    | approval of the BPV Weihenstephan         |

**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.