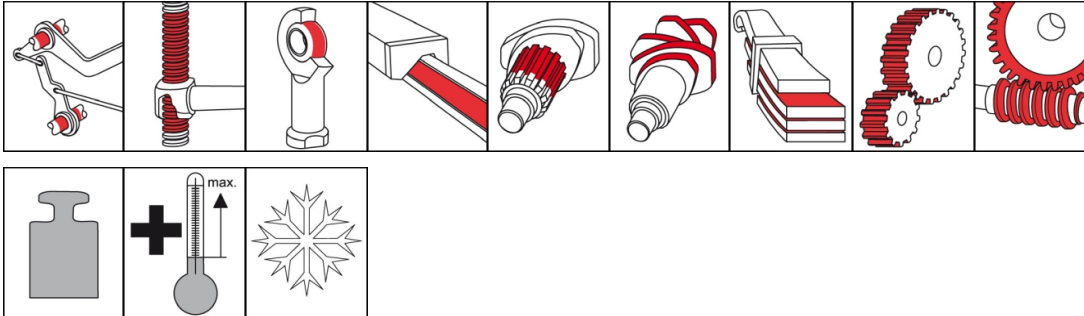


## OKS 111

### MoS<sub>2</sub> Powder, microsize, Spray



#### Description

OKS 111 is a MoS<sub>2</sub>-powder to improve the sliding properties of machine elements.

#### Applications

- For sliding properties improvement of machine parts, apparatuses and precision machinery, especially for microfinished surfaces
- For incorporation in plastics, sealings, packages, sintered metals and improvement of sliding properties
- For long-term or possibly lifetime-lubrication

#### Branches

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

#### Advantages and benefits

- Reduces friction and wear in a wide temperature range
- High effectiveness due to high affinity of MoS<sub>2</sub> to metals
- Low friction at highest load capacities
- Low consumption based on forming of extreme thin sliding films
- Not electrically conducting and not magnetic
- Chemically stable except against halogenated gases, concentrated sulphuric- and nitric acid

#### Application tips

For best adhesion, clean sliding surfaces. Best way is to clean mechanically first and then with OKS 2610 or OKS 2611 universal cleaner. Spray on evenly thin from 15-20 cm distance to the sliding surfaces.

#### Packaging

- 400 ml Spray

# OKS 111

## MoS<sub>2</sub> Powder, microsize, Spray

### Technical data

|                                           | Standard        | Conditions                | Unit              | Value                          |
|-------------------------------------------|-----------------|---------------------------|-------------------|--------------------------------|
| <b>Main components</b>                    |                 |                           |                   |                                |
| binder                                    |                 |                           |                   | special wax                    |
| solvent                                   |                 |                           |                   | special boiling point gasoline |
| solid lubricants                          |                 |                           |                   | MoS <sub>2</sub>               |
| degree of purity                          |                 | MoS <sub>2</sub> -content | percent in weight | > 98.5                         |
| <b>Application related technical data</b> |                 |                           |                   |                                |
| lower operating temperature               |                 |                           | °C                | -185                           |
| maximal operating temperature             |                 | in normal atmosphere      | °C                | 450                            |
| maximal operating temperature             |                 | in vacuum                 | °C                | 1,100                          |
| maximal operating temperature             |                 | in inert gas              | °C                | 1,300                          |
| colour                                    |                 |                           |                   | grey-black                     |
| density                                   | DIN EN ISO 3838 | at 20°C                   | g/cm <sup>3</sup> | 0.77                           |
| <b>Product specific technical data</b>    |                 |                           |                   |                                |
| particle size                             |                 | d 50                      | µm                | 2.5-6.0                        |
| particle size                             |                 | max. d 99                 | µm                | max. 36                        |
| <b>Properties and approvals</b>           |                 |                           |                   |                                |
| UFI                                       |                 |                           |                   | 6KJ1-T0C6-600X-F6H1            |

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