

## OKS 200

### MoS<sub>2</sub> Assembly Paste with

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#### Application Areas

Standard assembly lubricant for the basic treatment of metallic sliding surfaces of every kind, in initial and repair assemblies.

Used in:

##### **Priming of:**

- Bearings (especially the ones carrying heavy load)
- Machine guide ways and lead screw,
- Sliding surfaces exposed to heat and load

##### **As lubricant for:**

- press fitting (especially for steel to steel press fitting involving heavy press fitting pressures)
- valve spindles exposed to chemicals and heat
- slow moving and heavily loaded sliding surfaces
- As an anti seize compound for threaded connections exposed to acidic and alkaline atmospheres

#### Advantages and Benefits

- Needed in very small quantities owing to its large coverage - 40 m<sup>2</sup>/kg
- Reduces coefficient of friction, and facilitates the running in.
- Acts against wear, seizing and stick slip, especially during high load applications.
- Provides emergency/safety lubrication during start-ups and stops of heavily loaded machines.
- Facilitates assembly and dismantling of press-fitted components and also reduces power requirement for press fitting.

#### Special Features

- The presence of Mo<sub>x</sub> Active-organic molybdenum complex compounds- in OKS 200 provides Surface Management leading to a tribological surface finish with extremely low friction value and a high wear protection.
- ***Also available in aerosol/spray form as OKS 201***

#### Mode of Application

Clean the surface thoroughly, preferably with an organic solvent. Rub the paste intensively by hand or with a hard brush onto the surface, to leave just a thin coat. Remove excess quantities. Do not mix with other oils or greases on your own.

**Relubrication**

To be used only as a primer for bearings, guide ways etc. Normal lubricating practices should be continued after having primed the surfaces with the product. Priming becomes necessary again only when the machine is cleaned during its shut down. When used as a dry lubricant, the relubrication frequency is to be determined in the field, as it will vary from application to application.

**OKS 200 - Technical Data**

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Parameter	Specification
<b>Appearance</b>	Grey Paste (Marginal variation in shade can be expected from batch to batch. The colour has no effect on the lubricating properties of the product)
<b>Worked Penetration</b>	265 – 295, 0.1 mm ASTM D 217
<b>Density</b>	1.0 - 1.5 g/cc at +27°C Inhouse
<b>Resistance to Water</b>	0 – 90 DIN 51807
<b>Press Fit Test</b>	Less than 0.10
<b>Coefficient of Friction</b>	Less than 0.10 Inhouse
<b>Oil Separation</b>	Less than 5.0% ASTM D 1742
<b>Drop Point</b>	None ASTM D 566
<b>Coverage</b>	40 m <sup>2</sup> /kg
<b>Load Bearing Strength of the Sliding Film</b>	Exceeds the yield point of known metals
<b>Coefficient of Friction</b>	Decreases with rising loads, reducing to 0.02 for very high loads
<b>Temperature Range</b>	35°C to +450°C (For applications with restricted air access, the upper limit can go up to +630°C)
<b>Resistance to Chemicals</b>	Resistant to water, oils, greases and most chemicals. It has an extremely good adhesion to metal surfaces and does not get washed off easily



# Product Data Sheet



Certified ISO 9001, 14001 &  
OHSAS 18001

## Disclaimer

*This Product Data Sheet was last updated in May 2002. The information contained in the data sheet reflects the state of engineering know-how and the results of extensive tests and practical application studies. However, on the account of diversity of possible applications and technical conditions, this information can be regarded as indicative for suitable applications and is not necessarily transferable to specific instances. Accordingly we recommend, in every case, that trials be conducted on specific applications before any general product use. No direct or indirect liabilities are accepted unless specified.*

