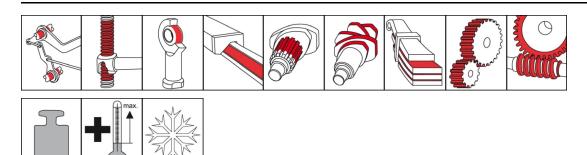




## **OKS 111**

# 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, apparates 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 MoS₂ 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









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#### **Technical data**

	Standard	Conditions	Unit	Value
Main components	<u>'</u>		<u> </u>	
binder				special wax
solvent				special boiling point gasoline
solid lubricants				MoS <sub>2</sub>
degree of purity		MoS₂-content	percent in weight	> 98.5
Application related technical	l data			
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 (at 20°C)	DIN EN ISO 3838		g/cm³	0.77
Product specific technical da	ta			
particle size		d 50	μm	2.5-6.0
particle size		max. d 99	μm	max. 36
Properties and approvals				
UFI				6KJ1-T0C6-600X-F6H1

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