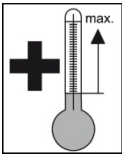
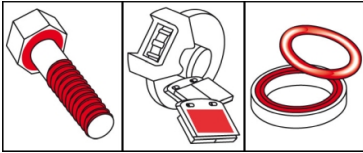


# OKS 241

## Copper Paste, Spray



### Description

High-temperature screw paste on copper basis for preventing corrosion, seizing and binding.

### Applications

- Assembling screw threaded connections subjected to high temperatures and corrosive influences
- Screwed connections at pipe fittings, flange joints and fittings in superheated steam lines
- Combustion chamber screwed connections and mounting bolts of gas and oil burners
- Screwed connections at combustion engines, exhaust systems, silencers and exhaust gas pipe connections

### Advantages and benefits

- Allows reliable non-destructive dismantling even after longer operating period under high operating and ambient temperatures
- Provides an optimal ratio of screw pretension and tightening torque
- Electrically conductive

### Branches

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

### Application tips

For best adhesion, clean contamination and other lubricants from thread and slide surfaces. Best way is to clean mechanically first (for example, with a wire brush) and then with OKS 2610/OKS 2611 universal cleaning agent. Evenly spray a sufficient amount of OKS 241 onto the head or nut contact surface and thread. Do not use paste instead of grease and mix only with suitable lubricants.

### Packaging

- 400 ml Spray

# OKS 241

## Copper Paste, Spray

### Technical data

	Standard	Conditions	Unit	Value
<b>Main components</b>				
base oil				synthetic oil
thickener				inorganic
solid lubricants				copper
solid lubricants				MoS <sub>2</sub>
solid lubricants				other solid lubricants
<b>Application related technical data</b>				
flashing point	DIN ISO 2592	> 79	°C	> 20
drop point	DIN ISO 2176		°C	without
unworked penetration	DIN ISO 2137	no shear stress	0.1 mm	290-330
lower operating temperature			°C	-30
upper operating temperature		separation	°C	1100
colour				copper-brown
density (at 20°C)	DIN EN ISO 3838		g/cm <sup>3</sup>	0.82
four-ball test rig welding load	DIN 51 350-4		N	2,800
thread friction coefficient (μ total)	DIN EN ISO 16 047	screw ISO 4017 M10x55-8.8 black-oxide, nut ISO 4032 M10-10 black-oxide		0.09
breakaway torque	DIN 267-27	M10 A2, 40 Nm, 400 °C, 100 h	Nm	< 2,5 x tightening torque
press-fit test (μ)	draft DIN 51 833			0,12, no chatter
<b>Product specific technical data</b>				
electrical conductivity (at 23°C)	DIN IEC 247		\$1_OHM_CM	2,27x10^8

### OKS Spezialschmierstoffe GmbH

Ganghoferstraße 47

82216 Maisach

+49 8142 3051 - 500

info@oks-germany.com

www.oks-germany.com



The information in this publication reflects state-of-the-art technology, as well as extensive testing and experience. Due to the diversity of possible applications and technical realities, they can only serve as recommendations and are not arbitrarily transferable. Therefore, no obligations, liability or warranty claims can be derived from them. We only accept liability for the suitability of our products for particular purposes, and for certain properties of our products, in the event that we have accepted such liability in writing in the individual case. Any case of justified warranty claims shall be limited to the delivery of replacement goods free of defects, in the event that this subsequent improvement fails, to reimbursement of the purchase price. Any and all further claims, in particular the liability for consequential injuries or damage, shall always be excluded. Prior to use, the customer must conduct its own testing to prove suitability. The data are subject to change for the sake of progress. ® = Registered trademark  
**Product restricted to professional users.** Safety data sheet available for download at [www.oks-germany.com](http://www.oks-germany.com)  
 Our Customer and Technical service will be pleased to help should you have any further questions.