



## OKS 240

Version 3.2

Revision Date 23.02.2021

Print Date 23.02.2021

### 1. Identification of the substance/mixture and of the company/undertaking

#### Product information

Product name : OKS 240

Use of the Substance/Mixture : Lubricants and lubricant additives

Company : OKS Spezialschmierstoffe GmbH  
Ganghoferstr. 47  
D-82216 Maisach-Gernlinden  
Tel.: +49 8142 3051 500  
Fax.: +49 8142 3051 599  
info@oks-germany.com

E-mail address : mcm@oks-germany.com  
Material Compliance Management

National contact :

Emergency telephone number : +7 495 628 1687  
+49 8142 3051 517

### 2. Hazards identification

#### GHS Classification

: Short-term (acute) aquatic hazard, Category 1

#### GHS-Labeling

Symbol(s) :



Signal word :

Warning

Hazard statements :

H400: Very toxic to aquatic life.

Precautionary statements :

**Prevention:**  
P273 Avoid release to the environment.  
**Response:**  
P391 Collect spillage.

### 3. Composition/information on ingredients

Chemical nature : Synthetic hydrocarbon oil  
Metal powder  
solid lubricant



## OKS 240

Version 3.2

Revision Date 23.02.2021

Print Date 23.02.2021

### Hazardous components

Chemical name	CAS-No.	Concentration[%]
copper	7440-50-8	10 - 20
Tin	7440-31-5	1 - 10
molybdenum disulphide	1317-33-5	1 - 10

### 4. First aid measures

- If inhaled : Remove person to fresh air. If signs/symptoms continue, get medical attention.  
Keep patient warm and at rest.  
If unconscious, place in recovery position and seek medical advice.  
Keep respiratory tract clear.  
If breathing is irregular or stopped, administer artificial respiration.
- In case of skin contact : Remove contaminated clothing. If irritation develops, get medical attention.  
Wash off with soap and water.  
Wash clothing before reuse.  
Thoroughly clean shoes before reuse.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes.  
If eye irritation persists, consult a specialist.
- If swallowed : Move the victim to fresh air.  
If unconscious, place in recovery position and seek medical advice.  
Keep respiratory tract clear.  
Do not induce vomiting without medical advice.  
Never give anything by mouth to an unconscious person.

### Notes to physician

- Symptoms : No information available.
- Risks : None known.
- Treatment : No information available.



**OKS 240**

Version 3.2

Revision Date 23.02.2021

Print Date 23.02.2021

**5. Firefighting measures**

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Unsuitable extinguishing media : High volume water jet
- Hazardous combustion products : Carbon oxides  
Nitrogen oxides (NOx)  
Sulphur oxides  
Oxides of phosphorus  
Metal oxides
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment. Exposure to decomposition products may be a hazard to health.
- Further information : Standard procedure for chemical fires. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

**6. Accidental release measures**

- Personal precautions : Evacuate personnel to safe areas. Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust). Do not breathe vapours, aerosols. Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : Do not allow contact with soil, surface or ground water. If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods for cleaning up : Clean up promptly by sweeping or vacuum. Keep in suitable, closed containers for disposal.

**7. Handling and storage**

**Handling**

- Advice on safe handling : Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area.



**OKS 240**

Version 3.2

Revision Date 23.02.2021

Print Date 23.02.2021

Wash hands and face before breaks and immediately after handling the product.  
 Do not ingest.  
 Do not repack.  
 These safety instructions also apply to empty packaging which may still contain product residues.  
 Keep container closed when not in use.

**Storage**

Requirements for storage areas and containers : Store in original container.  
 Keep container closed when not in use.  
 Keep in a dry, cool and well-ventilated place.  
 Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
 Store in accordance with the particular national regulations.  
 Keep in properly labelled containers.

**8. Exposure controls/personal protection**

**Components with workplace control parameters**

Components	CAS-No.	Value	Control parameters	Update	Basis
copper	7440-50-8	MPC-TWA	0,5 mg/m3	2018-04-23	RU OEL
copper	7440-50-8	MPC-STEL	1 mg/m3	2018-04-23	RU OEL
Tin	7440-31-5	MPC-STEL	0,05 mg/m3	2018-04-23	RU OEL
molybdenum disulphide	1317-33-5	MPC-TWA	1 mg/m3	2011-07-12	RU OEL
molybdenum disulphide	1317-33-5	MPC-STEL	6 mg/m3	2011-07-12	RU OEL
molybdenum disulphide	1317-33-5	MPC-TWA	1 mg/m3	2018-04-23	RU OEL
molybdenum disulphide	1317-33-5	MPC-STEL	6 mg/m3	2018-04-23	RU OEL

**Engineering measures**

none



## OKS 240

Version 3.2

Revision Date 23.02.2021

Print Date 23.02.2021

### Personal protective equipment

- Respiratory protection : Not required; except in case of aerosol formation.  
Filter type A-P
- Hand protection : butyl-rubber  
Manufacturer, importer, supplier: Class 1  
Break through time: > 10 min  
For prolonged or repeated contact use protective gloves.  
The break through time depends amongst other things on the material, the thickness and the type of glove and therefore has to be measured for each case.
- Eye protection : Safety glasses with side-shields
- Hygiene measures : Wash face, hands and any exposed skin thoroughly after handling.
- Protective measures : The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.  
Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

---

## 9. Physical and chemical properties

### Appearance

- Form : paste  
Colour : red brown  
Odour : characteristic

### Safety data

- Flash point : Note: Not applicable  
Ignition temperature : Remarks: No data available  
Lower explosion limit : Note: No data available  
Upper explosion limit : Note: No data available  
Flammability (solid, gas) : Combustible Solids  
Oxidizing properties : Note: No data available



## OKS 240

Version 3.2

Revision Date 23.02.2021

Print Date 23.02.2021

Auto-ignition temperature	: Note: No data available
pH	: Note: Not applicable
Melting point/range	: Note: Not applicable
Boiling point/boiling range	: Note: No data available
Sublimation point	: Note: No data available
Vapour pressure	: < 0,001 hPa at 20 °C
Density	: 1,35 g/cm <sup>3</sup> at 20 °C
Bulk density	: Note: No data available
Water solubility	: Note: insoluble
Partition coefficient: n-octanol/water	: Note: No data available
Solubility in other solvents	: Note: No data available
Viscosity, dynamic	: Note: No data available
Viscosity, kinematic	: Note: Not applicable
Relative vapour density	: Note: No data available
Evaporation rate	: Note: No data available

### 10. Stability and reactivity

Conditions to avoid	: No conditions to be specially mentioned.
Materials to avoid	: No materials to be especially mentioned.
Hazardous decomposition products	: No decomposition if stored and applied as directed.
Thermal decomposition	: Note: No data available
Hazardous reactions	: No dangerous reaction known under conditions of normal use.

### 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

Acute oral toxicity :



**OKS 240**

Version 3.2

Revision Date 23.02.2021

Print Date 23.02.2021

Remarks: This information is not available.

Acute inhalation toxicity : Remarks: This information is not available.

Acute dermal toxicity :  
Remarks: This information is not available.

**Skin corrosion/irritation**

Skin irritation : Remarks: This information is not available.

**Serious eye damage/eye irritation**

Eye irritation : Remarks: This information is not available.

**Respiratory or skin sensitisation**

Sensitisation : Remarks: This information is not available.

**Germ cell mutagenicity**

Genotoxicity in vitro : Remarks: No data available

Genotoxicity in vivo : Remarks: No data available

**Germ cell mutagenicity**

Remarks  
molybdenum disulphide : Animal testing did not show any mutagenic effects.

**Carcinogenicity**

Remarks  
molybdenum disulphide : No evidence of carcinogenicity in animal studies.

**Target Organ Systemic Toxicant - Single exposure**

molybdenum disulphide : Remarks: The substance or mixture is not classified as specific target organ toxicant, single exposure.

**Target Organ Systemic Toxicant - Repeated exposure**

: This information is not available.

**Target Organ Systemic Toxicant - Repeated exposure**

molybdenum disulphide : Remarks: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

**Aspiration hazard**

Aspiration toxicity : This information is not available.



**OKS 240**

Version 3.2

Revision Date 23.02.2021

Print Date 23.02.2021

Further information : Information given is based on data on the components and the toxicology of similar products.

**12. Ecological information**

**Ecotoxicity effects**

Toxicity to fish :  
Remarks:  
Very toxic to aquatic organisms.

Toxicity to daphnia and other aquatic invertebrates : Remarks:  
No data available

Toxicity to algae : Remarks:  
No data available

M-Factor copper : 10

Toxicity to bacteria : Remarks:  
No data available

**Elimination information (persistence and degradability)**

Bioaccumulation : Remarks:  
This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).  
This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

Mobility : Remarks:  
No data available

Distribution among environmental compartments : Remarks:  
No data available

Biodegradability : Remarks:  
No data available

Physico-chemical removability : Remarks:  
No data available

**Further information on ecology**





**OKS 240**

Version 3.2

Revision Date 23.02.2021

Print Date 23.02.2021

Short-term (acute) aquatic hazard  
copper : Very toxic to aquatic life.  
copper :  
copper :  
copper :  
copper :  
Tin :  
Additional ecological information : Very toxic to aquatic life.

**13. Disposal considerations**

Product : The product should not be allowed to enter drains, water courses or the soil.  
Do not dispose of with domestic refuse.  
Dispose of as hazardous waste in compliance with local and national regulations.  
Contaminated packaging : Packaging that is not properly emptied must be disposed of as the unused product.  
Dispose of waste product or used containers according to local regulations.

**14. Transport information**

**ADR**

UN number : 3077  
Description of the goods : ENVIRONMENTALLY HAZARDOUS SUBSTANCE,  
SOLID, N.O.S.  
(copper)  
Class : 9  
Packing group : III  
Classification Code : M7



## OKS 240

Version 3.2

Revision Date 23.02.2021

Print Date 23.02.2021

Hazard Identification : 90  
Number  
Labels : 9  
Environmentally hazardous : yes

### IATA

UN number : 3077  
Description of the goods : Environmentally hazardous substance, solid, n.o.s.  
(copper)  
Class : 9  
Packing group : III  
Labels : 9  
Packing instruction (cargo aircraft) : 956  
Packing instruction (passenger aircraft) : 956  
Packing instruction (passenger aircraft) : Y956  
Environmentally hazardous : yes

### IMDG

UN number : 3077  
Description of the goods : ENVIRONMENTALLY HAZARDOUS SUBSTANCE,  
SOLID, N.O.S.  
(copper)



## OKS 240

Version 3.2

Revision Date 23.02.2021

Print Date 23.02.2021

Class : 9  
Packing group : III  
Labels : 9  
EmS Number : F-A, S-F  
Marine pollutant : yes

### RID

UN number : 3077  
Description of the goods : ENVIRONMENTALLY HAZARDOUS SUBSTANCE,  
SOLID, N.O.S.  
Class : 9  
Packing group : III  
Classification Code : M7  
Hazard Identification Number : 90  
Labels : 9  
Environmentally hazardous : yes  
  
Other information : No special precautions required.

---

## 15. Regulatory information

---

## 16. Other information

### Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.



## **OKS 240**

Version 3.2

Revision Date 23.02.2021

Print Date 23.02.2021

---

This safety data sheet applies only to products as originally packed and labelled. The information contained therein may not be reproduced or modified without our express written permission. Any forwarding of this document is only permitted to the extent required by law. Any further, in particular public, dissemination of the safety data sheet (e.g. as a document for download from the Internet) is not permitted without our express written consent. We provide our customers with amended safety data sheets as prescribed by law. The customer is responsible for passing on safety data sheets and any amendments contained therein to its own customers, employees and other users of the product. We provide no guarantee that safety data sheets received by users from third parties are up-to-date. All information and instructions in this safety data sheet have been compiled to the best of our knowledge and are based on the information available to us on the day of publication. The information provided is intended to describe the product in relation to the required safety measures; it is neither an assurance of characteristics nor a guarantee of the product's suitability for particular applications and does not justify any contractual legal relationship. The existence of a safety data sheet for a particular jurisdiction does not necessarily mean that import or use within that jurisdiction is legally permitted. If you have any questions, please contact your responsible sales contact or authorized trading partner.

---