



**OKS 300**

Version 1.3

Revision Date 06.12.2021

Print Date 06.12.2021

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

**Product information**

Product name : OKS 300

Use of the Substance/Mixture : Lubricant

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**

Not a hazardous substance or mixture.

**GHS-Labeling**

Not a hazardous substance or mixture.

**3. Composition/information on ingredients**

Chemical nature : Mineral oil.  
Molybdenum disulfide

**Hazardous components**

Chemical name	CAS-No.	Concentration[%]
Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	50 - 70
molybdenum disulphide	1317-33-5	1 - 10
Molybdenum, bis[O,O-bis(2-ethylhexyl)phosphorodithioato- $\kappa$ .S, $\kappa$ .S']dioxidi	72030-25-2	0,1 - 0,25



**OKS 300**

Version 1.3

Revision Date 06.12.2021

Print Date 06.12.2021

-mu.-thioxodi-, (Mo-Mo)		
-------------------------	--	--

**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 breathing is irregular or stopped, administer artificial respiration.
- In case of skin contact : Remove contaminated clothing. If irritation develops, get medical attention.  
In case of contact, immediately flush skin with plenty of water.
- 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.  
Do NOT induce vomiting.  
Rinse mouth with water.

**Notes to physician**

- Symptoms : Allergic appearance
- Risks : May cause an allergic skin reaction.
- Treatment : The first aid procedure should be established in consultation with the doctor responsible for industrial medicine.

**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  
Sulphur oxides  
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.



**OKS 300**

Version 1.3

Revision Date 06.12.2021

Print Date 06.12.2021

Further information : Standard procedure for chemical fires.

---

**6. Accidental release measures**

- Personal precautions : Evacuate personnel to safe areas.  
Use personal protective equipment.  
Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : Try to prevent the material from entering drains or water courses.  
Prevent further leakage or spillage if safe to do so.  
Local authorities should be advised if significant spillages cannot be contained.
- Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

---

**7. Handling and storage**

**Handling**

- Advice on safe handling : For personal protection see section 8.  
Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.  
Smoking, eating and drinking should be prohibited in the application area.  
Wash hands and face before breaks and immediately after handling the product.  
Do not get in eyes or mouth or on skin.  
Do not get on skin or clothing.

**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.



**OKS 300**

Version 1.3

Revision Date 06.12.2021

Print Date 06.12.2021

**8. Exposure controls/personal protection**

**Components with workplace control parameters**

Components	CAS-No.	Value	Control parameters	Update	Basis
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

**Personal protective equipment**

- Respiratory protection : Not required; except in case of aerosol formation.  
Filter type A-P
  
- Hand protection : Nitrile 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.





**OKS 300**

Version 1.3

Revision Date 06.12.2021

Print Date 06.12.2021

Viscosity, kinematic : 100 mm<sup>2</sup>/s  
at 40 °C

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 :  
Remarks: This information is not available.

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

Acute dermal toxicity  
Distillates (petroleum),  
solvent-dewaxed heavy  
paraffinic : LD50: > 5.000 mg/kg  
Species: Rabbit  
Method: OECD Test Guideline 402

molybdenum disulphide : LD50: > 16.000 mg/kg  
Species: Rat

Molybdenum, bis[O,O-bis(2-ethylhexyl)phosphorodithioato-  
.kappa.S.,.kappa.S']dioxodi-  
.mu.-thioxodi-, (Mo-Mo) :  
Symptoms: Redness, Local irritation

**Skin corrosion/irritation**

Skin irritation : Remarks: This information is not available.

**Serious eye damage/eye irritation**

Eye irritation : Remarks: This information is not available.



**OKS 300**

Version 1.3

Revision Date 06.12.2021

Print Date 06.12.2021

**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**

Distillates (petroleum), solvent-dewaxed heavy paraffinic : Species: Mouse  
Print Date: OECD Test Guideline 451

**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.

**Aspiration hazard**

Aspiration toxicity : This information is not available.

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:  
No data available



**OKS 300**

Version 1.3

Revision Date 06.12.2021

Print Date 06.12.2021

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

Toxicity to algae : Remarks:  
No data available

Toxicity to bacteria : Remarks:  
No data available

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)  
Distillates (petroleum), solvent-dewaxed heavy paraffinic : NOEC: 10 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)

**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**

Additional ecological information : No information on ecology is available.

---

**13. Disposal considerations**

Product : The product should not be allowed to enter drains, water courses or the soil.

Contaminated packaging : Packaging that is not properly emptied must be disposed of as





**OKS 300**

Version 1.3

Revision Date 06.12.2021

Print Date 06.12.2021

the unused product.  
Dispose of waste product or used containers according to local regulations.

---

**14. Transport information**

**ADR**

Not dangerous goods

**IATA**

Not dangerous goods

**IMDG**

Not dangerous goods

**RID**

Not dangerous goods

Other information : No special precautions required.

---

**15. Regulatory information**

---

**16. Other information**

**Further information**

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



**OKS 300**

Version 1.3

Revision Date 06.12.2021

Print Date 06.12.2021

---

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.

---