



## OKS 245

Version 2.0

Revision Date 24.06.2019

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

#### Product information

Product name : OKS 245

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

E-mail address : mcm@oks-germany.com

National contact :

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

### 2. Hazards identification

#### GHS Classification

: Short-term (acute) aquatic hazard, Category 2  
Long-term (chronic) aquatic hazard, Category 3

#### GHS-Labeling

Hazard statements : H401: Toxic to aquatic life.  
H412: Harmful to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**  
P273 Avoid release to the environment.

### 3. Composition/information on ingredients

Chemical nature : Mineral oil.  
Thickening agent

#### Hazardous components

Chemical name	CAS-No.	Concentration[%]
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	30 - 50
Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	30 - 50



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Kaolin, calcined	92704-41-1	1 - 10
copper	7440-50-8	1 - 2,5

### 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.

### 5. Firefighting measures

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during : Fire may cause evolution of:



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- firefighting : Carbon oxides  
Metal oxides  
Nitrogen oxides (NOx)
- 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. 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.



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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
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**Engineering measures**

none

**Personal protective equipment**

Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.  
 Filter type A-P

Hand protection : Nitrile rubber  
 Manufacturer, importer, supplier: Class 1  
 For prolonged or repeated contact use protective gloves.  
 The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.  
 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 : Tightly fitting safety goggles

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.



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**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  
Auto-ignition temperature : Note: not auto-flammable  
pH : Note: Not applicable  
Melting point/range : Note: No data available  
 : Note: Not applicable  
Sublimation point : Note: No data available  
Vapour pressure : < 0,001 hPa  
at 20 °C  
Density : 0,93 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



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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

**11. TOXICOLOGICAL INFORMATION**

**Acute toxicity**

Acute oral toxicity  
Distillates (petroleum), hydrotreated heavy paraffinic : LD50: > 5.000 mg/kg  
Species: Rat  
Method: OECD Test Guideline 401

Distillates (petroleum), solvent-dewaxed heavy paraffinic : LD50: > 5.000 mg/kg  
Species: Rat  
Method: OECD Test Guideline 401

copper : LD50: 300 - 500 mg/kg  
Species: Rat  
Method: OECD Test Guideline 423

Acute inhalation toxicity  
Distillates (petroleum), hydrotreated heavy paraffinic : LC50: > 5,53 mg/l  
Exposure time: 4 h  
Species: Rat  
Method: OECD Test Guideline 403

Kaolin, calcined copper :  
LC50: 0,7 mg/l  
Exposure time: 4 h  
Species: Rat  
Method: OECD Test Guideline 403

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



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**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

**Carcinogenicity**

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

**Carcinogenicity**

Remarks  
Distillates (petroleum), hydrotreated heavy paraffinic : Not classifiable as a human carcinogen.

**Teratogenicity**

Remarks  
Distillates (petroleum), hydrotreated heavy paraffinic : No toxicity to reproduction

**Target Organ Systemic Toxicant - Single exposure**

Kaolin, calcined : Exposure routes: Inhalation  
Remarks: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation.

**Target Organ Systemic Toxicant - Repeated exposure**

: This information is not available.

**Target Organ Systemic Toxicant - Repeated exposure**

**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.



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**12. Ecological information**

**Ecotoxicity effects**

Toxicity to fish :  
Remarks:  
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

Toxicity to algae : Remarks:  
No data available

copper : 10

Toxicity to bacteria : Remarks:  
No data available

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)  
Distillates (petroleum), hydrotreated heavy paraffinic : NOEC: 10 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)  
semi-static test  
Method: OECD Test Guideline 211

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





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Biodegradability : Remarks:  
No data available

Physico-chemical removability : Remarks:  
No data available

**Further information on ecology**

Short-term (acute) aquatic hazard copper : Very toxic to aquatic life.

Long-term (chronic) aquatic hazard copper : Very toxic to aquatic life with long lasting effects.

copper :

copper :

copper :

Results of PBT assessment  
Distillates (petroleum), hydrotreated heavy paraffinic : Non-classified vPvB substance, Non-classified PBT substance  
Additional ecological information : Toxic to aquatic life with long lasting effects.

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**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.

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**14. Transport information**

**ADR**

Not dangerous goods



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**IATA**

Not dangerous goods

**IMDG**

Not dangerous goods

Other information : No special precautions required.

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**15. Regulatory information**

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**16. Other information**

**Further information**

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