

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - DE



## OKS 245

Version	Revision Date:	Date of last issue: 09.10.2018	Print Date:
1.4	11.12.2018	Date of first issue: 30.05.2016	11.12.2018

---

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Product name : OKS 245

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Sub-  
stance/Mixture : Lubricant

Recommended restrictions  
on use : Restricted to professional users.

#### 1.3 Details of the supplier of the safety data sheet

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

E-mail address of person  
responsible for the SDS : mcm@oks-germany.com  
National contact :

#### 1.4 Emergency telephone number

Emergency telephone  
number : +49 8142 3051 517

---

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

#### 2.2 Label elements

##### Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

##### Additional Labelling

EUH210 Safety data sheet available on request.

#### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - DE



## OKS 245

Version 1.4      Revision Date: 11.12.2018      Date of last issue: 09.10.2018      Print Date: 11.12.2018  
Date of first issue: 30.05.2016

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

Chemical nature : Mineral oil.  
Thickening agent

#### Hazardous components

Chemical name	CAS-No. EC-No.  Index-No. Registration number	Classification	Concentration limits M-Factor Notes	Concentration (% w/w)
Kaolin, calcined	92704-41-1 296-473-8	Eye Irrit.2; H319 STOT SE3; H335		$\geq 1 - < 10$
copper flakes (coated with aliphatic acid)	7440-50-8 231-159-6  029-019-01-X	Aquatic Acute1; H400	M-Factor: 10/1	$\geq 1 - < 2,5$

For explanation of abbreviations see section 16.

### SECTION 4: First aid measures

#### 4.1 Description of 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.  
In case of contact, immediately flush skin with plenty of 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,

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - DE



## OKS 245

Version	Revision Date:	Date of last issue: 09.10.2018	Print Date:
1.4	11.12.2018	Date of first issue: 30.05.2016	11.12.2018

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.

### 4.2 Most important symptoms and effects, both acute and delayed

Symptoms : No information available.  
Risks : None known.

### 4.3 Indication of any immediate medical attention and special treatment needed

Treatment : No information available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  
Unsuitable extinguishing media : High volume water jet

### 5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : Fire may cause evolution of:  
Carbon oxides  
Metal oxides  
Nitrogen oxides (NOx)

### 5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment. In the case of respirable dust and/or fumes, use self-contained breathing apparatus. Exposure to decomposition products may be a hazard to health.  
Further information : Standard procedure for chemical fires.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - DE



## OKS 245

Version	Revision Date:	Date of last issue: 09.10.2018	Print Date:
1.4	11.12.2018	Date of first issue: 30.05.2016	11.12.2018

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

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).  
Avoid breathing dust.  
Refer to protective measures listed in sections 7 and 8.

#### 6.2 Environmental precautions

Environmental precautions : Do not allow contact with soil, surface or ground water.  
If the product contaminates rivers and lakes or drains inform respective authorities.

#### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Clean up promptly by sweeping or vacuum.  
Keep in suitable, closed containers for disposal.

#### 6.4 Reference to other sections

For personal protection see section 8.

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe 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.

Hygiene measures : Wash face, hands and any exposed skin thoroughly after handling.

#### 7.2 Conditions for safe storage, including any incompatibilities

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.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - DE



## OKS 245

Version 1.4      Revision Date: 11.12.2018      Date of last issue: 09.10.2018      Print Date: 11.12.2018  
Date of first issue: 30.05.2016

Storage class (TRGS 510) : 11, Combustible Solids

### 7.3 Specific end use(s)

Specific use(s) : Specific instructions for handling, not required.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

#### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil -unspecified	Workers	Inhalation	Long-term local effects	5,6 mg/m <sup>3</sup>

#### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
Distillates (petroleum), hydro-treated heavy paraffinic; Baseoil -unspecified	Oral	9,33 mg/kg
Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil -unspecified	Oral	9,33 mg/kg

### 8.2 Exposure controls

#### Engineering measures

Maintain air concentrations below occupational exposure standards.

#### Personal protective equipment

Eye protection : Tightly fitting safety goggles

#### Hand protection

Material : Nitrile rubber  
Protective index : Class 1

Remarks : For prolonged or repeated contact use protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC 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.

Respiratory protection : Use respiratory protection unless adequate local exhaust

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - DE



## OKS 245

Version	Revision Date:	Date of last issue: 09.10.2018	Print Date:
1.4	11.12.2018	Date of first issue: 30.05.2016	11.12.2018

ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Filter type : Filter type A-P

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.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance : paste

Colour : red brown

Odour : characteristic

Odour Threshold : No data available

  

pH : Not applicable

Melting point/range : No data available

: Not applicable

Flash point : Not applicable

Evaporation rate : No data available

Flammability (solid, gas) : Combustible Solids

Upper explosion limit : No data available

Lower explosion limit : No data available

Relative vapour density : No data available

Density : 0,93 g/cm<sup>3</sup>  
(20 °C)

Bulk density : No data available

Solubility(ies)

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - DE



## OKS 245

Version	Revision Date:	Date of last issue: 09.10.2018	Print Date:
1.4	11.12.2018	Date of first issue: 30.05.2016	11.12.2018

---

Water solubility : insoluble

Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Viscosity

    Viscosity, dynamic : No data available

    Viscosity, kinematic : No data available

Explosive properties : Not explosive

Oxidizing properties : No data available

### 9.2 Other information

Sublimation point : No data available

Self-ignition : No data available

---

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No hazards to be specially mentioned.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.

### 10.4 Conditions to avoid

Conditions to avoid : No conditions to be specially mentioned.

### 10.5 Incompatible materials

Materials to avoid : No materials to be especially mentioned.

### 10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - DE



## OKS 245

Version	Revision Date:	Date of last issue: 09.10.2018	Print Date:
1.4	11.12.2018	Date of first issue: 30.05.2016	11.12.2018

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

##### Acute toxicity

###### Product:

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

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

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

###### Components:

###### **Kaolin, calcined:**

Acute inhalation toxicity : Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation.

###### **copper flakes (coated with aliphatic acid):**

Acute oral toxicity : Acute toxicity estimate: 500,0 mg/kg  
Method: Converted acute toxicity point estimate

##### Skin corrosion/irritation

###### Product:

Remarks: This information is not available.

###### Components:

###### **Kaolin, calcined:**

Result: Repeated exposure may cause skin dryness or cracking.

##### Serious eye damage/eye irritation

###### Product:

Remarks: This information is not available.

###### Components:

###### **Kaolin, calcined:**

Result: Irritating to eyes.

##### Respiratory or skin sensitisation

###### Product:

Remarks: This information is not available.



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - DE



## OKS 245

Version 1.4	Revision Date: 11.12.2018	Date of last issue: 09.10.2018 Date of first issue: 30.05.2016	Print Date: 11.12.2018
----------------	------------------------------	---	---------------------------

---

### Germ cell mutagenicity

#### Product:

Genotoxicity in vitro : Remarks: No data available

Genotoxicity in vivo : Remarks: No data available

### Carcinogenicity

#### Product:

Remarks: No data available

### Reproductive toxicity

#### Product:

Effects on fertility : Remarks: No data available

Effects on foetal development : Remarks: No data available

### STOT - single exposure

#### Components:

##### **Kaolin, calcined:**

Exposure routes: Inhalation

Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation.

### Repeated dose toxicity

#### Product:

Remarks: This information is not available.

### Aspiration toxicity

#### Product:

This information is not available.

### Further information

#### Product:

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

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - DE



## OKS 245

Version	Revision Date:	Date of last issue: 09.10.2018	Print Date:
1.4	11.12.2018	Date of first issue: 30.05.2016	11.12.2018

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Product:

Toxicity to fish : Remarks: No data available

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

Toxicity to algae : Remarks: No data available

Toxicity to microorganisms :  
Remarks: No data available

#### Components:

##### **copper flakes (coated with aliphatic acid):**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0,0094 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0,044 mg/l  
Exposure time: 48 h

M-Factor (Acute aquatic toxicity) : 10

M-Factor (Chronic aquatic toxicity) : 1

#### **Ecotoxicology Assessment**

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity : This product has no known ecotoxicological effects.

### 12.2 Persistence and degradability

#### Product:

Biodegradability : Remarks: No data available

Physico-chemical removability : Remarks: No data available

#### Components:

##### **copper flakes (coated with aliphatic acid):**

Biodegradability : Remarks: The methods for determining biodegradability are not applicable to inorganic substances.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - DE



## OKS 245

Version	Revision Date:	Date of last issue: 09.10.2018	Print Date:
1.4	11.12.2018	Date of first issue: 30.05.2016	11.12.2018

---

### 12.3 Bioaccumulative potential

**Product:**

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).

### 12.4 Mobility in soil

**Product:**

Mobility : Remarks: No data available

Distribution among environmental compartments : Remarks: No data available

### 12.5 Results of PBT and vPvB assessment

**Product:**

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

### 12.6 Other adverse effects

**Product:**

Additional ecological information : No information on ecology is available.

---

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

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.

Waste codes should be assigned by the user based on the application for which the product was used.

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.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - DE



## OKS 245

Version	Revision Date:	Date of last issue: 09.10.2018	Print Date:
1.4	11.12.2018	Date of first issue: 30.05.2016	11.12.2018

The following Waste Codes are only suggestions:

### SECTION 14: Transport information

#### 14.1 UN number

ADR : Not regulated as a dangerous good  
IMDG : Not regulated as a dangerous good  
IATA : Not regulated as a dangerous good

#### 14.2 UN proper shipping name

ADR : Not regulated as a dangerous good  
IMDG : Not regulated as a dangerous good  
IATA : Not regulated as a dangerous good

#### 14.3 Transport hazard class(es)

ADR : Not regulated as a dangerous good  
IMDG : Not regulated as a dangerous good  
IATA : Not regulated as a dangerous good

#### 14.4 Packing group

ADR : Not regulated as a dangerous good  
IMDG : Not regulated as a dangerous good  
IATA (Cargo) : Not regulated as a dangerous good  
IATA (Passenger) : Not regulated as a dangerous good

#### 14.5 Environmental hazards

ADR : Not regulated as a dangerous good  
IMDG : Not regulated as a dangerous good  
IATA (Passenger) : Not regulated as a dangerous good  
IATA (Cargo) : Not regulated as a dangerous good

#### 14.6 Special precautions for user

No special precautions required.

#### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Remarks : Not applicable for product as supplied.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - DE



## OKS 245

Version	Revision Date:	Date of last issue: 09.10.2018	Print Date:
1.4	11.12.2018	Date of first issue: 30.05.2016	11.12.2018

### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59) : This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).
- REACH - List of substances subject to authorisation (Annex XIV) : Not applicable
- Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable
- Regulation (EC) No 850/2004 on persistent organic pollutants : Not applicable
- Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable
- REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Not applicable
- Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.  
Not applicable
- Water contaminating class (Germany) : WGK 1 slightly water endangering  
Classification according to AwSV, Annex 1 (5.2)
- TA Luft List (Germany) : Total dust:  
others: 0,36 %  
  
Inorganic substances in powdered form:  
portion Class 3: 1,67 %  
  
Inorganic substances in vapour or gaseous form:  
Not applicable  
Organic Substances:  
others: 76,63 %  
  
Carcinogenic substances:  
Not applicable  
Mutagenic:  
Not applicable  
Toxic to reproduction:  
Not applicable
- Volatile organic compounds : Directive 2010/75/EU of 24 November 2010 on industrial

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - DE



## OKS 245

Version	Revision Date:	Date of last issue: 09.10.2018	Print Date:
1.4	11.12.2018	Date of first issue: 30.05.2016	11.12.2018

emissions (integrated pollution prevention and control)  
Remarks: Not applicable

### 15.2 Chemical safety assessment

This information is not available.

## SECTION 16: Other information

### Full text of H-Statements

H319 : Causes serious eye irritation.  
H335 : May cause respiratory irritation.  
H400 : Very toxic to aquatic life.

### Full text of other abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - DE



## OKS 245

Version	Revision Date:	Date of last issue: 09.10.2018	Print Date:
1.4	11.12.2018	Date of first issue: 30.05.2016	11.12.2018

---

### Further information

This safety data sheet applies only to products originally packed and labelled by OKS Spezial-schmierstoffe. The information contained therein may not be reproduced or modified without the express written permission of OKS Spezialschmierstoffe. Any forwarding of this document is only permitted to the extent required by law. Any further, in particular public, dissemination of our safety data sheets (e.g. as a document for download from the Internet) is not permitted without the express written consent of OKS Spezialschmierstoffe. OKS Spezialschmierstoffe provides its 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. OKS Spezialschmierstoffe provides 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.