

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519  
CN



## OKS 210

Version 2.0      Revision Date: 2024-06-03      Date of last issue: 2023-06-21  
Date of first issue: 2023-06-21      Print Date: 2024-06-03

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : OKS 210  
Chemical nature : Synthetic hydrocarbon oil  
solid lubricant

#### Manufacturer or supplier's details

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

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

National contact :

Emergency telephone number : +86 532 8388 9090 (NRCC, only for hazardous chemicals)  
+86 21 69225521

#### Recommended use of the chemical and restrictions on use

Recommended use : Lubricants and lubricant additives

Restrictions on use : Restricted to professional users.

### 2. HAZARDS IDENTIFICATION

#### Emergency Overview

Appearance : paste  
Colour : grey  
Odour : characteristic

Causes serious eye irritation. May cause respiratory irritation. Harmful to aquatic life.

#### GHS Classification

Eye irritation : Category 2A

Specific target organ toxicity - single exposure : Category 3 (respiratory tract irritation)

Short-term (acute) aquatic : Category 3

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519  
CN



## OKS 210

Version 2.0    Revision Date: 2024-06-03    Date of last issue: 2023-06-21  
Date of first issue: 2023-06-21    Print Date: 2024-06-03

hazard

### GHS label elements

Hazard pictograms

:



Signal word

:

Warning

Hazard statements

:

H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H402 Harmful to aquatic life.

Precautionary statements

:

#### Prevention:

P264 Wash skin thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P273 Avoid release to the environment.  
P280 Wear eye protection/ face protection.

#### Response:

P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.

#### Storage:

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
P405 Store locked up.

#### Disposal:

P501 Dispose of contents/containers according the local government requirements.

### Physical and chemical hazards

Not classified based on available information.

### Health hazards

Causes serious eye irritation. May cause respiratory irritation.

### Environmental hazards

Harmful to aquatic life.

### Other hazards which do not result in classification

None known.

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519  
CN



## OKS 210

Version 2.0      Revision Date: 2024-06-03      Date of last issue: 2023-06-21  
Date of first issue: 2023-06-21      Print Date: 2024-06-03

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

#### Components

Chemical name	CAS-No.	Concentration (% w/w)
Kaolin, calcined	92704-41-1	$\geq 20$ -< 30

### 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 : Take off all contaminated clothing immediately.  
Get medical attention immediately if irritation develops and persists.  
Wash clothing before reuse.  
Thoroughly clean shoes before reuse.  
Wash skin thoroughly with soap and water or use recognized skin cleanser.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes.  
Seek medical advice.
- 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.
- Most important symptoms and effects, both acute and delayed : Can be absorbed through skin.  
Skin contact may provoke the following symptoms:  
Erythema
- Notes to physician : Treat symptomatically.

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519  
CN



## OKS 210

Version 2.0      Revision Date: 2024-06-03      Date of last issue: 2023-06-21  
Date of first issue: 2023-06-21      Print Date: 2024-06-03

### 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 (NO<sub>x</sub>)  
Metal oxides
- Specific extinguishing methods : Standard procedure for chemical fires.  
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
- 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.

### 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Evacuate personnel to safe areas.  
Ensure adequate ventilation.  
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 and materials for containment and cleaning up : Pick up and transfer to properly labelled containers.

### 7. HANDLING AND STORAGE

#### Handling

- Advice on safe handling : Do not use in areas without adequate ventilation.  
In case of insufficient ventilation, wear suitable respiratory equipment.  
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

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519  
CN



## OKS 210

Version 2.0      Revision Date: 2024-06-03      Date of last issue: 2023-06-21  
Date of first issue: 2023-06-21      Print Date: 2024-06-03

handling the product.  
Do not get in eyes or mouth or on skin.  
Do not get on skin or clothing.  
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.

Avoidance of contact : No materials to be especially mentioned.

### Storage

Conditions for safe storage : 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 type (Form of exposure)	Control parameters / Permissible concentration	Basis
Natural graphite	7782-42-5	PC-TWA (Total dust)	4 mg/m <sup>3</sup>	CN OEL (2019-08-27)
		PC-TWA (Respirable dust)	2 mg/m <sup>3</sup>	CN OEL (2019-08-27)
		TWA (Respirable particulate matter)	2 mg/m <sup>3</sup>	ACGIH (2007-01-01)

Engineering measures : Effective exhaust ventilation system

### Personal protective equipment

Respiratory protection : Not required; except in case of aerosol formation.

Filter type : Filter type P

Eye/face protection : Safety glasses

Skin and body protection : Choose body protection in relation to its type, to the

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519  
CN



## OKS 210

Version 2.0      Revision Date: 2024-06-03      Date of last issue: 2023-06-21  
Date of first issue: 2023-06-21      Print Date: 2024-06-03

concentration and amount of dangerous substances, and to the specific work-place.

### Hand protection

Material : butyl-rubber  
Break through time : > 10 min  
Protective index : Class 1

Remarks : 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.

Protective measures : The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : paste

Colour : grey

Odour : characteristic

Odour Threshold : No data available

pH : Not applicable  
substance/mixture is non-soluble (in water)

Melting point/range : Not applicable

Boiling point/boiling range : No data available

Flash point : Not applicable

Evaporation rate : No data available

Flammability (solid, gas) : Combustible Solids

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519  
CN



## OKS 210

Version 2.0      Revision Date: 2024-06-03      Date of last issue: 2023-06-21  
Date of first issue: 2023-06-21      Print Date: 2024-06-03

---

Self-ignition	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapour pressure	:	< 0.001 hPa (20 °C)
Relative vapour density	:	No data available
Relative density	:	1.02 (20 °C) Reference substance: Water The value is calculated
Density	:	1.02 g/cm <sup>3</sup> (20 °C)
Bulk density	:	No data available
Solubility(ies)	:	
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	:	Not applicable
Explosive properties	:	Not explosive
Oxidizing properties	:	No data available
Sublimation point	:	No data available
Particle size	:	Not applicable

---

## 10. STABILITY AND REACTIVITY

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519  
CN



## OKS 210

Version 2.0      Revision Date: 2024-06-03      Date of last issue: 2023-06-21  
Date of first issue: 2023-06-21      Print Date: 2024-06-03

---

Reactivity	:	No hazards to be specially mentioned.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	No dangerous reaction known under conditions of normal use.
Conditions to avoid	:	No conditions to be specially mentioned.
Incompatible materials	:	No materials to be especially mentioned.
Hazardous decomposition products	:	No decomposition if stored and applied as directed.

---

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

#### Product:

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

Acute inhalation toxicity : Remarks: Irritating to respiratory system.

Symptoms: Inhalation may provoke the following symptoms:  
Local irritation, Respiratory disorders

Acute dermal toxicity : Remarks: Prolonged or repeated skin contact with liquid may cause defatting resulting in drying, redness and possible blistering.

Symptoms: Skin disorders

#### 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.



# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519  
CN



## OKS 210

Version 2.0      Revision Date: 2024-06-03      Date of last issue: 2023-06-21  
Date of first issue: 2023-06-21      Print Date: 2024-06-03

---

### 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 : Irritating to eyes.

**Components:**

**Kaolin, calcined:**

Result : Irritating to eyes.

### Respiratory or skin sensitisation

**Product:**

Remarks : This information is not available.

### Germ cell mutagenicity

**Product:**

Genotoxicity in vitro : Remarks: No data available

Genotoxicity in vivo : Remarks: No data available

### Carcinogenicity

**Product:**

Remarks : No data available

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519  
CN



## OKS 210

Version 2.0      Revision Date: 2024-06-03      Date of last issue: 2023-06-21  
Date of first issue: 2023-06-21      Print Date: 2024-06-03

---

### Reproductive toxicity

#### Product:

Effects on fertility : Remarks: No data available

Effects on foetal development : Remarks: No data available

### STOT - single exposure

#### Product:

Remarks : No data available

### 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.

### STOT - repeated exposure

#### Product:

Remarks : No data available

### 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 GB/T 16483 and GB/T 17519  
CN



## OKS 210

Version 2.0      Revision Date: 2024-06-03      Date of last issue: 2023-06-21  
Date of first issue: 2023-06-21      Print Date: 2024-06-03

---

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Product:

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/aquatic plants : Remarks: No data available

Toxicity to microorganisms : Remarks: No data available

### Persistence and degradability

#### Product:

Biodegradability : Remarks: No data available

Physico-chemical removability : Remarks: No data available

### Bioaccumulative potential

#### Product:

Bioaccumulation : Remarks: No data available

### Mobility in soil

#### Product:

Mobility : Remarks: No data available

Distribution among environmental compartments : Remarks: No data available

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519  
CN



## OKS 210

Version 2.0      Revision Date: 2024-06-03      Date of last issue: 2023-06-21  
Date of first issue: 2023-06-21      Print Date: 2024-06-03

### Other adverse effects

#### Product:

Additional ecological information : Harmful to aquatic life with long lasting effects.

---

## 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : 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

### International Regulations

#### **UNRTDG**

UN number : Not applicable  
Proper shipping name : Not applicable  
Class : Not applicable  
Subsidiary risk : Not applicable  
Packing group : Not applicable  
Labels : Not applicable

#### **IATA-DGR**

UN/ID No. : Not applicable  
Proper shipping name : Not applicable  
Class : Not applicable  
Subsidiary risk : Not applicable  
Packing group : Not applicable  
Labels : Not applicable  
Packing instruction (cargo aircraft) : Not applicable  
Packing instruction (passenger aircraft) : Not applicable

#### **IMDG-Code**

UN number : Not applicable  
Proper shipping name : Not applicable

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519  
CN



## OKS 210

Version 2.0      Revision Date: 2024-06-03      Date of last issue: 2023-06-21  
Date of first issue: 2023-06-21      Print Date: 2024-06-03

Class : Not applicable  
Subsidiary risk : Not applicable  
Packing group : Not applicable  
Labels : Not applicable  
EmS Code : Not applicable  
Marine pollutant : Not applicable

### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

### National Regulations

#### GB 6944/12268

UN number : Not applicable  
Proper shipping name : Not applicable  
Class : Not applicable  
Subsidiary risk : Not applicable  
Packing group : Not applicable  
Labels : Not applicable

### Special precautions for user

Not applicable

## 15. REGULATORY INFORMATION

### National regulatory information

#### Law on the Prevention and Control of Occupational Diseases

#### Regulations on Safety Management of Hazardous Chemicals

Catalogue of Hazardous Chemicals : Not applicable

Hazardous Chemicals for Priority Management under SAWS : Not applicable

#### Regulation of Environmental Management on the First Import of Chemicals and the Import and Export of Toxic Chemicals

China Severely Restricted Toxic Chemicals (2023) : Not applicable

### International Regulations

Montreal Protocol : Not applicable

Rotterdam Convention (Prior Informed Consent) : Not applicable

Stockholm Convention (Persistent Organic Pollutants) : Not applicable

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519  
CN



## OKS 210

Version 2.0      Revision Date: 2024-06-03      Date of last issue: 2023-06-21  
Date of first issue: 2023-06-21      Print Date: 2024-06-03

**The components of this product are reported in the following inventories:**

IECSC : On the inventory, or in compliance with the inventory

## 16. OTHER INFORMATION

Date format : yyyy/mm/dd

### Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)  
CN OEL : Occupational exposure limits for hazardous agents in the workplace - Chemical hazardous agents.

ACGIH / TWA : 8-hour, time-weighted average  
CN OEL / PC-TWA : Permissible concentration - time weighted average

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); 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; ERG - Emergency Response Guide; 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; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; 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; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519  
CN



## OKS 210

Version	Revision Date:	Date of last issue: 2023-06-21
2.0	2024-06-03	Date of first issue: 2023-06-21 Print Date: 2024-06-03

---

### Disclaimer

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.