

## OKS 260

Version 1.4

Revision Date 20.07.2021

Print Date 20.07.2021

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

#### Product information

Product name : OKS 260

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

: Skin irritation, Category 2  
Serious eye damage, Category 1  
Specific target organ toxicity - single exposure, Category 3,  
Respiratory system

#### GHS-Labeling

Symbol(s) : 

Signal word : Danger

Hazard statements : H315: Causes skin irritation.  
H318: Causes serious eye damage.  
H335: May cause respiratory irritation.

Precautionary statements : **Prevention:**  
P264 Wash skin thoroughly after handling.  
P280 Wear protective gloves/ 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.



**OKS 260**

Version 1.4

Revision Date 20.07.2021

Print Date 20.07.2021

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

**Storage:**

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

P405 Store locked up.

**3. Composition/information on ingredients**

Chemical nature : Mineral oil.  
solid lubricant  
lithium soap

**Hazardous components**

Chemical name	CAS-No.	Concentration[%]
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	30 - 50
calcium dihydroxide	1305-62-0	20 - 30
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	10 - 20
thiodiethylene bis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate]	41484-35-9	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 : Take off all contaminated clothing immediately.  
Wash off immediately with soap and plenty of water.  
Get medical attention immediately if irritation develops and persists.  
Wash clothing before reuse.  
Thoroughly clean shoes before reuse.



## OKS 260

Version 1.4

Revision Date 20.07.2021

Print Date 20.07.2021

- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes.  
Get medical attention immediately.
- 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 : Skin contact may provoke the following symptoms:  
Erythema
- Risks : Causes skin irritation.
- Treatment : Treat symptomatically.

## 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  
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



**OKS 260**

Version 1.4

Revision Date 20.07.2021

Print Date 20.07.2021

- (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 : 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 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.

**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
calcium	1305-62-0	MPC-	2 mg/m3	2018-04-23	RU OEL



**OKS 260**

Version 1.4

Revision Date 20.07.2021

Print Date 20.07.2021

dihydroxide		STEL			
thiodiethylene bis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate]	41484-35-9	MPC-STEL	10 mg/m3	2018-04-23	RU OEL

**Engineering measures**

Effective exhaust ventilation system

**Personal protective equipment**

- Respiratory protection : Not required; except in case of aerosol formation.  
Filter type A-P
  
- Hand protection : Fluorinated rubber  
Manufacturer, importer, supplier: Class 1  
Break through time: > 10 min  
Wear 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 : 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.

**9. Physical and chemical properties**

**Appearance**

- Form : paste
- Colour : white  
beige
  
- Odour : odourless



## OKS 260

Version 1.4

Revision Date 20.07.2021

Print Date 20.07.2021

### 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 substance/mixture is non-soluble (in water)
Drop point	: 150 °C at 1.013,00 hPa
Boiling point/boiling range	: Note: No data available
Sublimation point	: Note: No data available
Vapour pressure	: < 0,001 hPa at 20 °C
Density	: 1,25 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



## OKS 260

Version 1.4

Revision Date 20.07.2021

Print Date 20.07.2021

### 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: Irritating to respiratory system.  
: Symptoms: Inhalation may provoke the following symptoms:,  
Local irritation, Respiratory disorders

- Acute dermal toxicity  
Distillates (petroleum),  
hydrotreated heavy paraffinic : LD50 Dermal: > 5.000 mg/kg  
Species: Rabbit
- calcium dihydroxide : LD50: > 2.500 mg/kg  
Species: Rabbit  
Method: OECD Test Guideline 402

- Distillates (petroleum),  
hydrotreated heavy paraffinic : LD50: > 5.000 mg/kg  
Species: Rabbit  
Method: OECD Test Guideline 402

- thiodiethylene bis[3-(3,5-di-  
tert-butyl-4-  
hydroxyphenyl)propionate] : LD50: > 2.000 mg/kg  
Species: Rat  
Method: OECD Test Guideline 402

#### Skin corrosion/irritation

- Skin irritation : Remarks: Irritating to skin.

#### Serious eye damage/eye irritation

- Eye irritation : Remarks: Risk of serious damage to eyes.

#### Respiratory or skin sensitisation



**OKS 260**

Version 1.4

Revision Date 20.07.2021

Print Date 20.07.2021

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

thiodiethylene bis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate] : Animal testing did not show any mutagenic effects.

**Carcinogenicity**

Remarks

Distillates (petroleum), : Not classifiable as a human carcinogen.

hydrotreated heavy paraffinic calcium dihydroxide : No evidence of carcinogenicity in animal studies.

Distillates (petroleum), : Not classifiable as a human carcinogen.

hydrotreated heavy paraffinic thiodiethylene bis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate] : Animal testing did not show any carcinogenic effects.

Teratogenicity

thiodiethylene bis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate] : Species: Rat  
Application Route: Oral

**Teratogenicity**

Remarks

**Teratogenicity**

**Teratogenicity**

calcium dihydroxide : No effects on or via lactation  
No toxicity to reproduction

Distillates (petroleum), : No toxicity to reproduction

hydrotreated heavy paraffinic thiodiethylene bis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate] : Animal testing did not show any effects on foetal development.  
No toxicity to reproduction

**Target Organ Systemic Toxicant - Single exposure**

calcium dihydroxide : Remarks: May cause respiratory irritation.

thiodiethylene bis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate] : Remarks: The substance or mixture is not classified as specific target organ toxicant, single exposure.

**Target Organ Systemic Toxicant - Repeated exposure**





**OKS 260**

Version 1.4

Revision Date 20.07.2021

Print Date 20.07.2021

: This information is not available.

**Target Organ Systemic Toxicant - Repeated exposure**

**Aspiration hazard**

Aspiration toxicity : This information is not available.

Further information : Ingestion causes irritation of upper respiratory system and gastrointestinal disturbance.

---

**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

Toxicity to bacteria : Remarks:  
No data available

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) calcium dihydroxide : NOEC: 32 mg/l  
Exposure time: 14 d  
Species: Crangon crangon (shrimp)  
semi-static test

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

thiodiethylene bis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate] : NOEC: > 10 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)  
Method: OECD Test Guideline 211



**OKS 260**

Version 1.4

Revision Date 20.07.2021

Print Date 20.07.2021

**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**

- Short-term (acute) aquatic hazard  
thiodiethylene bis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate] : This product has no known ecotoxicological effects.
  
- Long-term (chronic) aquatic hazard  
thiodiethylene bis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate] : This product has no known ecotoxicological effects.
- thiodiethylene bis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate] :
- thiodiethylene bis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate] :
- thiodiethylene bis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate] :
  
- Results of PBT assessment  
Distillates (petroleum), hydrotreated heavy paraffinic : Non-classified vPvB substance, Non-classified PBT substance  
thiodiethylene bis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate] : Non-classified PBT substance, Non-classified vPvB substance  
Additional ecological : Harmful to aquatic life with long lasting effects.



**OKS 260**

Version 1.4

Revision Date 20.07.2021

Print Date 20.07.2021

information

---

**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**

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



## OKS 260

Version 1.4

Revision Date 20.07.2021

Print Date 20.07.2021

---

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.

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.

---