

OKS 265

Version 2.0

Revision Date 19.07.2021

Print Date 19.07.2021

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

Product information

Product name : OKS 265

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
Skin sensitisation, Category 1
Short-term (acute) aquatic hazard, Category 2
Long-term (chronic) aquatic hazard, Category 2

GHS-Labeling

Symbol(s) : 

Signal word : Danger

Hazard statements : H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H411: Toxic to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**
P264 Wash skin thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear protective gloves/ eye protection/ face protection.
Response:



OKS 265

Version 2.0

Revision Date 19.07.2021

Print Date 19.07.2021

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.

P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

P391 Collect spillage.

3. Composition/information on ingredients

Chemical nature : lithium soap
solid lubricant
Synthetic hydrocarbon oil

Hazardous components

Chemical name	CAS-No.	Concentration[%]
calcium dihydroxide	1305-62-0	10 - 20
dizinc pyrophosphate	7446-26-6	2,5 - 10
Ethylene, tetrafluoro-, polymer	9002-84-0	1 - 10
thiodiethylene bis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate]	41484-35-9	1 - 10
Sulfonic acids, petroleum, barium salts	61790-48-5	0,1 - 1

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.

In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes.



OKS 265

Version 2.0

Revision Date 19.07.2021

Print Date 19.07.2021

If swallowed : Get medical attention immediately.
: 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
Allergic appearance

Risks : Causes skin irritation.
May cause an allergic skin reaction.

Treatment : The first aid procedure should be established in consultation with the doctor responsible for industrial medicine.
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
Halogenated compounds
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.



OKS 265

Version 2.0

Revision Date 19.07.2021

Print Date 19.07.2021

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.
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.
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.



OKS 265

Version 2.0

Revision Date 19.07.2021

Print Date 19.07.2021

8. Exposure controls/personal protection

Components with workplace control parameters

Components	CAS-No.	Value	Control parameters	Update	Basis
calcium dihydroxide	1305-62-0	MPC-STEL	2 mg/m3	2018-04-23	RU OEL
Ethylene, tetrafluoro-, polymer	9002-84-0	MPC-TWA	10 mg/m3	2018-04-23	RU OEL
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

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
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.



OKS 265

Version 2.0

Revision Date 19.07.2021

Print Date 19.07.2021

9. Physical and chemical properties

Appearance

Form : paste
Colour : white
Odour : odourless

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: No data available
pH : Note: Not applicable
substance/mixture is non-soluble (in water)
Melting point/range : Note: Not applicable
Boiling point/boiling range : Note: No data available
Sublimation point : Note: No data available
Vapour pressure : < 0,001 hPa
at 20 °C
Density : 1,02 g/cm³
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



OKS 265

Version 2.0

Revision Date 19.07.2021

Print Date 19.07.2021

Viscosity, kinematic : Note: Not applicable
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 : >280 °C danger of forming toxic fluorine-containing pyrolysis products.
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
calcium dihydroxide : LC50: > 6,04 mg/l
Exposure time: 4 h
Species: Rat
Method: OECD Test Guideline 436

dizinc pyrophosphate : LC50: > 4,73 mg/l
Exposure time: 4 h
Species: Rat
Method: OECD Test Guideline 436

thiodiethylene bis[3-(3,5-di-
tert-butyl-4-
hydroxyphenyl)propionate] : LC50: > 6,3 mg/l
Exposure time: 4 h
Species: Rat

Acute dermal toxicity
calcium dihydroxide : LD50: > 2.500 mg/kg
Species: Rabbit
Method: OECD Test Guideline 402

dizinc pyrophosphate : LD50: > 2.000 mg/kg



OKS 265

Version 2.0

Revision Date 19.07.2021

Print Date 19.07.2021

Species: Guinea pig
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

Sulfonic acids, petroleum, barium salts : LD50: > 4.000 mg/kg
Species: Rabbit

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

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
calcium dihydroxide : No evidence of carcinogenicity in animal studies.

Ethylene, tetrafluoro-, polymer : Not classifiable as a human carcinogen.

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



OKS 265

Version 2.0

Revision Date 19.07.2021

Print Date 19.07.2021

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.

Ethylene, tetrafluoro-, polymer : Remarks: The substance or mixture is not classified as specific target organ toxicant, single exposure.

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

: This information is not available.

Target Organ Systemic Toxicant - Repeated exposure

Ethylene, tetrafluoro-, polymer : Remarks: The substance or mixture is not classified as specific target organ 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:
Toxic 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

dizinc pyrophosphate : 1



OKS 265

Version 2.0

Revision Date 19.07.2021

Print Date 19.07.2021

- 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
- 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

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-



OKS 265

Version 2.0

Revision Date 19.07.2021

Print Date 19.07.2021

- hydroxyphenyl)propionate] thiodiethylene bis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate] :
- hydroxyphenyl)propionate] thiodiethylene bis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate] :
- Results of PBT assessment dizinc pyrophosphate : This substance is not considered to be persistent, bioaccumulating and toxic (PBT)., This substance is not considered to be very persistent and very bioaccumulating (vPvB).
- Ethylene, tetrafluoro-, polymer : 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 information : Toxic to aquatic life with long lasting effects.

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

- UN number : 3077
- Description of the goods : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(dizinc pyrophosphate)
- Class : 9



OKS 265

Version 2.0

Revision Date 19.07.2021

Print Date 19.07.2021

Packing group : III
Classification Code : M7
Hazard Identification Number : 90
Labels : 9
Environmentally hazardous : yes

IATA

UN number : 3077
Description of the goods : Environmentally hazardous substance, solid, n.o.s.
(dizinc pyrophosphate)
Class : 9
Packing group : III
Labels : 9
Packing instruction (cargo aircraft) : 956
Packing instruction (passenger aircraft) : 956
Packing instruction (passenger aircraft) : Y956
Environmentally hazardous : yes

IMDG

UN number : 3077
Description of the goods : ENVIRONMENTALLY HAZARDOUS SUBSTANCE,



OKS 265

Version 2.0

Revision Date 19.07.2021

Print Date 19.07.2021

SOLID, N.O.S.

(dizinc pyrophosphate)

- Class : 9
- Packing group : III
- Labels : 9
- EmS Number : F-A, S-F
- Marine pollutant : yes

RID

- UN number : 3077
- Description of the goods : ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
SOLID, N.O.S.
(dizinc pyrophosphate)
- Class : 9
- Packing group : III
- Classification Code : M7
- Hazard Identification Number : 90
- Labels : 9
- Environmentally hazardous : yes

- Other information : No special precautions required.

15. Regulatory information

16. Other information

Further information



OKS 265

Version 2.0

Revision Date 19.07.2021

Print Date 19.07.2021

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.
