



**OKS 255**

Version 1.5

Revision Date 06.09.2021

Print Date 06.09.2021

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

**Product information**

Product name : OKS 255

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**

Not a hazardous substance or mixture.

**GHS-Labeling**

Not a hazardous substance or mixture.

**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
Kaolin, calcined	92704-41-1	1 - 10
Titanium dioxide	13463-67-7	1 - 10



**OKS 255**

Version 1.5

Revision Date 06.09.2021

Print Date 06.09.2021

Ethene, homopolymer, oxidized	68441-17-8	1 - 10
2,5-Bis(tert-nonyldithio)-1,3,4-thiadiazole	89347-09-1	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 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.
- 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.  
Do not induce vomiting without medical advice.

**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
- Hazardous combustion products : Carbon oxides  
Nitrogen oxides (NOx)  
Sulphur oxides  
Metal oxides
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.  
Use personal protective equipment.



**OKS 255**

Version 1.5

Revision Date 06.09.2021

Print Date 06.09.2021

Exposure to decomposition products may be a hazard to health.

Further information : Standard procedure for chemical fires.

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**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 : Try to prevent the material from entering drains or water courses.  
Local authorities should be advised if significant spillages cannot be contained.
- Methods for cleaning up : Clean up promptly by sweeping or vacuum.  
Keep in suitable, closed containers for disposal.

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**7. Handling and storage**

**Handling**

Advice on safe handling : 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.

**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.

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**8. Exposure controls/personal protection**

**Components with workplace control parameters**

Components	CAS-No.	Value	Control	Update	Basis
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**OKS 255**

Version 1.5

Revision Date 06.09.2021

Print Date 06.09.2021

			parameters		
Titanium dioxide	13463-67-7	MPC-TWA	10 mg/m3	2018-04-23	RU OEL

**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  
 Break through time: > 10 min  
 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.

Eye protection : Safety glasses with side-shields

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  
 Odour : characteristic

**Safety data**

Flash point : Note: Not applicable



**OKS 255**

Version 1.5

Revision Date 06.09.2021

Print Date 06.09.2021

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: No data available
Boiling point/boiling range	: 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
Relative vapour density	: Note: No data available
Evaporation rate	: Note: No data available

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**10. Stability and reactivity**

Conditions to avoid	: No conditions to be specially mentioned.
Materials to avoid	: No materials to be especially mentioned.



**OKS 255**

Version 1.5

Revision Date 06.09.2021

Print Date 06.09.2021

- 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  
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
- Titanium dioxide : LD50: > 5.000 mg/kg  
Species: Rat  
Method: OECD Test Guideline 401
- Ethene, homopolymer, oxidized : LD50: > 2.500 mg/kg  
Species: Rat
- 2,5-Bis(tert-nonyldithio)-1,3,4-thiadiazole : LD50: > 10.000 mg/kg  
Species: Rat
- Acute inhalation toxicity : Remarks: This information is not available.
- Acute dermal toxicity  
Distillates (petroleum), hydrotreated heavy paraffinic : LD50: > 5.000 mg/kg  
Species: Rabbit  
Method: OECD Test Guideline 402
- Distillates (petroleum), solvent-dewaxed heavy paraffinic : LD50: > 5.000 mg/kg  
Species: Rabbit  
Method: OECD Test Guideline 402
- 2,5-Bis(tert-nonyldithio)-1,3,4-thiadiazole : LD50: > 2.000 mg/kg  
Species: Rabbit

**Skin corrosion/irritation**

- Skin irritation : Remarks: This information is not available.

**Serious eye damage/eye irritation**

- Eye irritation : Remarks: This information is not available.



**OKS 255**

Version 1.5

Revision Date 06.09.2021

Print Date 06.09.2021

**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

Titanium dioxide : Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

**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.

Titanium dioxide : No evidence of carcinogenicity in animal studies.

**Teratogenicity**

Remarks

**Teratogenicity**

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

Titanium dioxide : No effects on or via lactation  
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.

Titanium dioxide : 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.

**Aspiration hazard**



**OKS 255**

Version 1.5

Revision Date 06.09.2021

Print Date 06.09.2021

- Aspiration toxicity : This information is not available.
- Further information : Information given is based on data on the components and the toxicology of similar products.

**12. Ecological information**

**Ecotoxicity effects**

- 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 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





**OKS 255**

Version 1.5

Revision Date 06.09.2021

Print Date 06.09.2021

Distribution among environmental compartments : Remarks:  
No data available

Biodegradability : Remarks:  
No data available

Physico-chemical removability : Remarks:  
No data available

**Further information on ecology**

Results of PBT assessment  
Distillates (petroleum), hydrotreated heavy paraffinic : Non-classified vPvB substance, Non-classified PBT substance  
Titanium dioxide : Non-classified vPvB substance, Non-classified PBT substance

Additional ecological information : No information on ecology is available.

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**13. Disposal considerations**

Product : The product should not be allowed to enter drains, water courses or the soil.

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

**IATA**

Not dangerous goods

**IMDG**

Not dangerous goods



**OKS 255**

Version 1.5

Revision Date 06.09.2021

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**RID**

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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