



OKS 245

Version 1.4

Revision Date 11.12.2018

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

Product information

Product name : OKS 245

Use of the Substance/Mixture : Lubricant

Company : OKS Spezialschmierstoffe GmbH
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2. Hazards identification

GHS Classification

: Acute aquatic toxicity, Category 2

GHS-Labeling

Hazard statements : H401: Toxic to aquatic life.

Precautionary statements : **Prevention:**
P273 Avoid release to the environment.

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



OKS 245

Version 1.4

Revision Date 11.12.2018

Print Date 11.12.2018

Kaolin, calcined	92704-41-1	1 - 10
copper	7440-50-8	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 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, 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.

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 : High volume water jet



OKS 245

Version 1.4

Revision Date 11.12.2018

Print Date 11.12.2018

- media
Specific hazards during firefighting : Fire may cause evolution of:
Carbon oxides
Metal oxides
Nitrogen oxides (NOx)
- 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.

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). Avoid breathing dust. 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. 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.



OKS 245

Version 1.4

Revision Date 11.12.2018

Print Date 11.12.2018

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
copper	7440-50-8	MPC-TWA	0,5 mg/m ³	2011-07-12	RU OEL
copper	7440-50-8	MPC-STEL	1 mg/m ³	2011-07-12	RU OEL

Engineering measures

Maintain air concentrations below occupational exposure standards.

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
 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.

Eye protection : Tightly fitting safety goggles

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



OKS 245

Version 1.4

Revision Date 11.12.2018

Print Date 11.12.2018

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 : red brown
Odour : characteristic

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
Melting point/range : Note: No data available
 : Note: Not applicable
Sublimation point : Note: No data available
Density : 0,93 g/cm³
at 20 °C
Bulk density : Note: No data available
Water solubility : Note: insoluble



OKS 245

Version 1.4

Revision Date 11.12.2018

Print Date 11.12.2018

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: No data available
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 : No decomposition if stored and applied as directed.
Thermal decomposition : Note: No data available

11. TOXICOLOGICAL INFORMATION

Acute toxicity

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.

Skin corrosion/irritation

Skin irritation : Remarks: This information is not available.

Serious eye damage/eye irritation

Eye irritation : Remarks: This information is not available.

Respiratory or skin sensitisation

Sensitisation : Remarks: This information is not available.

Germ cell mutagenicity



OKS 245

Version 1.4

Revision Date 11.12.2018

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Genotoxicity in vitro : Remarks: No data available

Genotoxicity in vivo : Remarks: No data available

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.

Teratogenicity

Remarks
Distillates (petroleum), hydrotreated heavy paraffinic : 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.

Target Organ Systemic Toxicant - Repeated exposure

: This information is not available.

Target Organ Systemic Toxicant - Repeated exposure

Aspiration hazard

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



OKS 245

Version 1.4

Revision Date 11.12.2018

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

Toxicity to algae : Remarks:
No data available

copper : 10

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

Distribution among environmental compartments : Remarks:
No data available

Biodegradability : Remarks:
No data available

Physico-chemical removability : Remarks:
No data available

Further information on ecology



OKS 245

Version 1.4

Revision Date 11.12.2018

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- Acute aquatic toxicity copper : Very toxic to aquatic life.

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

- copper :

- copper :

- copper :

- Results of PBT assessment Distillates (petroleum), hydrotreated heavy paraffinic Additional ecological information : Non-classified vPvB substance, Non-classified PBT substance
- : No information on ecology is available.

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



OKS 245

Version 1.4

Revision Date 11.12.2018

Print Date 11.12.2018

IMDG

Not dangerous goods

Other information : No special precautions required.

15. Regulatory information

16. Other information

Further information

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.

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