

**OKS 1765**

Version 1.3

Revision Date 06.12.2021

Print Date 06.12.2021

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

**Product information**

Product name : OKS 1765

Use of the Substance/Mixture : Lubricant

Company : OKS Spezialechmierstoffe 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**

: Flammable liquids, Category 3  
Skin irritation, Category 2  
Eye irritation, Category 2A  
Short-term (acute) aquatic hazard, Category 3

**GHS-Labeling**

Symbol(s) :  

Signal word : Warning

Hazard statements : H226: Flammable liquid and vapour.  
H315: Causes skin irritation.  
H319: Causes serious eye irritation.  
H402: Harmful to aquatic life.

Precautionary statements : **Prevention:**  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P264 Wash skin thoroughly after handling.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/ protective clothing/ eye



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protection/ face protection.

**Response:**

P370 + P378 In case of fire: Use alcohol-resistant foam, carbon dioxide or water mist to extinguish.

**Storage:**

P403 + P235 Store in a well-ventilated place. Keep cool.

**3. Composition/information on ingredients**

Chemical nature : Aqueous emulsion  
Wax

**Hazardous components**

Chemical name	CAS-No.	Concentration[%]
Polyethylene	9002-88-4	20 - 30
2,2',2''-Nitrilotriethanol	102-71-6	10 - 20
Propan-2-ol	67-63-0	1 - 10
Alcohols, C16-18, ethoxylated	68439-49-6	2,5 - 10
Phosphoric acid	7664-38-2	1 - 3

**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.  
Seek medical advice.

If swallowed : Move the victim to fresh air.  
If unconscious, place in recovery position and seek medical advice.



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Keep respiratory tract clear.  
Do NOT induce vomiting.  
Rinse mouth with water.  
Never give anything by mouth to an unconscious person.

**Notes to physician**

- Symptoms : Inhalation may provoke the following symptoms:  
Unconsciousness  
Dizziness  
Drowsiness  
Headache  
Nausea  
Tiredness  
Skin contact may provoke the following symptoms:  
Erythema
- Risks : Can be absorbed through skin.  
Causes skin irritation.
- Treatment : Treat symptomatically.

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**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)  
Oxides of phosphorus
- Specific hazards during firefighting : Do not let product enter drains.  
Container may explode if heated.  
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
- 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.  
Cool containers/tanks with water spray.



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**6. Accidental release measures**

- Personal precautions : Evacuate personnel to safe areas.  
Use personal protective equipment.  
Ensure adequate ventilation.  
Remove all sources of ignition.  
Do not breathe vapours or spray mist.  
Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : Do not allow contact with soil, surface or ground water.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).  
Non-sparking tools should be used.

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**7. Handling and storage**

**Handling**

- Advice on safe handling : Use only in an area containing explosion proof equipment.  
Do not use in areas without adequate ventilation.  
Do not breathe vapours or spray mist.  
In case of insufficient ventilation, wear suitable respiratory equipment.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Keep away from fire, sparks and heated surfaces.  
Smoking, eating and drinking should be prohibited in the application area.  
Wash hands and face before breaks and immediately after handling the product.  
Ensure all equipment is electrically grounded before beginning transfer operations.  
Do not get in eyes or mouth or on skin.  
Do not get on skin or clothing.  
Do not ingest.  
Do not use sparking tools.  
Do not enter areas where used or stored until adequately ventilated.  
Do not repack.  
Do not re-use empty containers.  
These safety instructions also apply to empty packaging which may still contain product residues.  
Keep container closed when not in use.



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Advice on protection against fire and explosion : Keep away from heat and sources of ignition.

**Storage**

Requirements for storage areas and containers : Store in original container.  
 Keep container closed when not in use.  
 Keep in a cool place away from oxidizing agents.  
 Keep in a dry, cool and well-ventilated place.  
 Do not store together with oxidizing and self-igniting products.  
 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.

: Protect from frost.

**8. Exposure controls/personal protection**

**Components with workplace control parameters**

Components	CAS-No.	Value	Control parameters	Update	Basis
Polyethylene	9002-88-4	MPC- STEL	10 mg/m3	2018-04-23	RU OEL
2,2',2"- Nitrilotriethan ol	102-71-6	TSEL	5 mg/m3	2010-09-08	RU TSEL
Propan-2-ol	67-63-0	MPC- TWA	10 mg/m3	2018-04-23	RU OEL
Propan-2-ol	67-63-0	MPC- STEL	50 mg/m3	2018-04-23	RU OEL
Phosphoric acid	7664-38-2	TSEL	1 mg/m3	2010-09-08	RU TSEL

**Engineering measures**

Use only in an area equipped with explosion proof exhaust ventilation.

**Personal protective equipment**

Respiratory protection : Not required; except in case of aerosol formation.  
 Filter type A-P

Hand protection : Nitrile rubber



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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 : 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.

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## 9. Physical and chemical properties

### Appearance

- Physical state : liquid
- Colour : white
- Odour : characteristic

### Safety data

- Flash point : 49,5 °C  
Method:  
closed cup
- Ignition temperature : Remarks: No data available
- Lower explosion limit : Note: No data available
- Upper explosion limit : Note: No data available
- Flammability (solid, gas) : Not applicable
- Oxidizing properties : Note: No data available
- Auto-ignition temperature : Note: No data available
- pH : 8,4  
at  
20 °C



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Melting point/range	: Note: No data available
Boiling point/boiling range	: 100 °C
Sublimation point	: Note: No data available
Vapour pressure	: < 1.100,00 hPa at 20 °C
Density	: 1,02 g/cm <sup>3</sup> at 20 °C
Bulk density	: Note: No data available
Water solubility	: Note: completely miscible
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

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**10. Stability and reactivity**

Conditions to avoid	: Heat, flames and sparks. Strong sunlight for prolonged periods.
Materials to avoid	: Oxidizing agents
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.

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**11. TOXICOLOGICAL INFORMATION**

**Acute toxicity**

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

Acute dermal toxicity  
2,2',2''-Nitrilotriethanol : 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: Irritating 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

**Target Organ Systemic Toxicant - Single exposure**

Polyethylene : Remarks: The substance or mixture is not classified as specific target organ toxicant, single exposure.

2,2',2''-Nitrilotriethanol : Remarks: The substance or mixture is not classified as specific target organ toxicant, single exposure.

Propan-2-ol : Remarks: May cause drowsiness or dizziness.

**Target Organ Systemic Toxicant - Repeated exposure**

: This information is not available.

**Aspiration hazard**

Aspiration toxicity : This information is not available.

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

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**12. Ecological information**

**Ecotoxicity effects**

Toxicity to fish :





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Remarks:  
Harmful to aquatic organisms.

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

**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**

Results of PBT assessment  
Polyethylene : Non-classified vPvB substance, Non-classified PBT substance

2,2',2''-Nitrilotriethanol : 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.  
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.
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**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.

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**15. Regulatory information**

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**16. Other information**

**Further information**



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