



## OKS 1361

Version 1.4

Revision Date 2018-03-13

Print Date 2018-03-15

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

#### Product information

Product name : OKS 1361

Use of the Substance/Mixture : release agent spray

Company : OKS Spezialschmierstoffe GmbH  
Ganghoferstr. 47  
D-82216 Maisach-Gernlinden  
Tel.: +49 8142 3051 500  
Fax.: +49 8142 3051 599

E-mail address : mcm@oks-germany.com  
National contact :  
Emergency telephone number : +86 10 831 323 45  
+49 8142 3051 517

### 2. Hazards identification

#### GHS Classification

: Aerosols, Category 1

#### GHS-Labeling

Symbol(s) :



Signal word : Danger

Hazard statements : H222: Extremely flammable aerosol.  
H229: Pressurised container: May burst if heated.

Precautionary statements : **Prevention:**  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P211 Do not spray on an open flame or other ignition source.  
P251 Do not pierce or burn, even after use.  
**Storage:**  
P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

### 3. Composition/information on ingredients

Chemical nature : Active substance with propellant



**OKS 1361**

Version 1.4

Revision Date 2018-03-13

Print Date 2018-03-15

**Hazardous components**

Chemical name	CAS-No.	Concentration[%]
Butane	106-97-8	50 - 70
propane	74-98-6	20 - 30

**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.  
Wash off with soap and 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.  
Keep respiratory tract clear.  
Do NOT induce vomiting.  
Rinse mouth with water.

**Notes to physician**

Symptoms : Inhalation may provoke the following symptoms:  
Unconsciousness  
Dizziness  
Drowsiness  
Headache  
Nausea  
Tiredness

Treatment : Treat symptomatically.



**OKS 1361**

Version 1.4

Revision Date 2018-03-13

Print Date 2018-03-15

---

**5. Firefighting measures**

- Suitable extinguishing media : ABC powder
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during firefighting : Fire may cause evolution of:  
Carbon oxides
- : Fire Hazard  
Do not let product enter drains.  
Contains gas under pressure; 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.  
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.  
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Cool containers/tanks with water spray.

---

**6. Accidental release measures**

- Personal precautions : Evacuate personnel to safe areas.  
Ensure adequate ventilation.  
Remove all sources of ignition.  
Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : Try to prevent the material from entering drains or water courses.  
Prevent further leakage or spillage if safe to do so.  
Local authorities should be advised if significant spillages cannot be contained.
- 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).  
Keep in suitable, closed containers for disposal.  
Non-sparking tools should be used.



**OKS 1361**

Version 1.4

Revision Date 2018-03-13

Print Date 2018-03-15

Additional advice : Only qualified personnel equipped with suitable protective equipment may intervene.

**7. Handling and storage**

**Handling**

Advice on safe handling : 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. Do not ingest. Do not use sparking tools. These safety instructions also apply to empty packaging which may still contain product residues. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

**Storage**

Requirements for storage areas and containers : BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects. Store in accordance with the particular national regulations.

**8. Exposure controls/personal protection**

**Components with workplace control parameters**

Components	CAS-No.	Value	Control parameters	Update	Basis
------------	---------	-------	--------------------	--------	-------

**Engineering measures**

Use only in an area equipped with explosion proof exhaust ventilation. Handle only in a place equipped with local exhaust (or other appropriate exhaust).

**Personal protective equipment**



**OKS 1361**

Version 1.4

Revision Date 2018-03-13

Print Date 2018-03-15

- Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.  
Short term only  
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 : Safety glasses with side-shields conforming to EN166
  
- 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**

- Physical state : aerosol
- Colour : colourless
  
- Odour : odourless

**Safety data**

- Flash point : < -20 °C
  
- Ignition temperature : 365 °C
  
- Lower explosion limit : 1.4 %(V)
  
- Upper explosion limit : 10.8 %(V)



**OKS 1361**

Version 1.4

Revision Date 2018-03-13

Print Date 2018-03-15

Flammability (solid, gas)	: Extremely flammable aerosol.
Oxidizing properties	: Note: No data available
Auto-ignition temperature	: Note: Not applicable
pH	: Note: No data available
Melting point/range	: Note: No data available
Boiling point/boiling range	: < -20.00 °C
Sublimation point	: Note: No data available
Vapour pressure	: < 4,000.00 hPa at 20 °C
Density	: 0.60 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: No data available
Relative vapour density	: Note: No data available
Evaporation rate	: Note: No data available

---

**10. Stability and reactivity**

Conditions to avoid	: Heat, flames and sparks.
Materials to avoid	: Oxidizing agents
Hazardous decomposition products	: >150 °C small quantities of formaldehyde may be formed.
Thermal decomposition	: Note: No data available



**OKS 1361**

Version 1.4

Revision Date 2018-03-13

Print Date 2018-03-15

---

**11. TOXICOLOGICAL INFORMATION**

**Acute toxicity**

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

Acute inhalation toxicity  
Butane : LC50: 658 mg/l  
Exposure time: 4 h  
Species: Rat

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: Contact with eyes may cause irritation.

**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 - 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.



**OKS 1361**

Version 1.4

Revision Date 2018-03-13

Print Date 2018-03-15

**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

**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**

Additional ecological information : No information on ecology is available.





## OKS 1361

Version 1.4

Revision Date 2018-03-13

Print Date 2018-03-15

---

### 13. Disposal considerations

- Product : In accordance with local and national regulations.
- Contaminated packaging : Offer empty spray cans to an established disposal company.  
Pressurized container: Do not pierce or burn, even after use.

---

### 14. Transport information

#### IATA

- UN number : 1950
- Description of the goods : Aerosols, flammable
- Class : 2.1
- Labels : 2.1
- Packing instruction (cargo aircraft) : 203
- Packing instruction (passenger aircraft) : 203
- Packing instruction (passenger aircraft) : Y203
- Environmentally hazardous : no

#### IMDG

- UN number : 1950
- Description of the goods : AEROSOLS
- Class : 2.1
- Labels : 2.1



## OKS 1361

Version 1.4

Revision Date 2018-03-13

Print Date 2018-03-15

---

EmS Number : F-D, S-U  
Marine pollutant : no  
Other information : No special precautions required.

---

### 15. Regulatory information

Other regulations : Law on the Prevention and Control of Occupational Diseases

---

### 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.

This safety datasheet applies only to products originally packaged and labelled by OKS Spezialschmierstoffe. The information contained therein is protected by copyright and must not be reproduced or amended without the express written approval of OKS Spezialschmierstoffe. This document may be passed on only to the extent required by law. Any dissemination of our safety datasheets (e.g. as a document for download from the Internet) beyond this legally required extent is not permitted without express written consent. OKS Spezialschmierstoffe provides its customers with amended safety datasheets as prescribed by law. The customer is responsible for passing on safety datasheets and any amendments contained therein to its own customers, employees and other users of the product. OKS Spezialschmierstoffe provides no guarantee that safety datasheets received by users from third parties are up-to-date. All information and instructions in this safety datasheets were compiled to the best of our knowledge and are based on the information available to us. The data provided are intended to describe the product in relation to the required safety measures; they are neither an assurance of characteristics nor a guarantee of the product's suitability for particular applications and do not justify any contractual legal relationships.

---