

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 04.02.2011



Version number 7

Revision: 12.08.2010

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

- **Product identifier**
- **Trade name: OKS 2631**
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation** Cleaning agent/ Cleaner
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
OKS Spezialechmierstoffe GmbH  
Triebstrasse 9  
D-80993 München  
Phone (+49)-89-149892-0  
Fax. (+49) 089-1419219  
E-Mail: mcm@oks-germany.com
- **Informing department:** MCM departement
- **Emergency telephone number:** (+49)89-149892-17

## 2 Hazards identification

- **Classification of the substance or mixture**
  - **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**  
 F+; Extremely flammable  
 R12: Extremely flammable.
  - **Information concerning particular hazards for human and environment:**  
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
  - **Classification system:**  
The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.
- 
- **Label elements**
  - **Labelling according to EU guidelines:**  
The product has been labelled in accordance with EC Directives / relevant national laws.
  - **Code letter and hazard designation of product:**  
 F+ Extremely flammable
  - **Risk phrases:**  
12 Extremely flammable.
  - **Safety phrases:**  
2 Keep out of the reach of children.  
9 Keep container in a well-ventilated place.  
16 Keep away from sources of ignition - No smoking.  
23 Do not breathe aerosol.  
51 Use only in well-ventilated areas.  
60 This material and its container must be disposed of as hazardous waste.
  - **Special labelling of certain preparations:**  
Contents material declaration (in accordance with VO(EG) NR. 648/2004): 5-15% nichtionische Tenside, < 5% Phosphonate  
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C.  
Do not pierce or burn, even after use.

(Contd. on page 2)

**Safety data sheet**  
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**Trade name: OKS 2631**

(Contd. of page 1)

- Do not spray on a naked flame or any incandescent material.
- **Classification in accordance with Directive 75/324/EEC:** Extremely flammable
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
  - **Description:** Mixture of the substances listed below with harmless additions.
  - **Dangerous components:**
- |                   |                      |       |
|-------------------|----------------------|-------|
| CAS: 75-28-5      | isobutane            | 5-25% |
| EINECS: 200-857-2 | F+ R12               |       |
| CAS: 74-98-6      | propane liquefied    | 1-10% |
| EINECS: 200-827-9 | F+ R12               |       |
| CAS: 67-63-0      | propan-2-ol          | 5-25% |
| EINECS: 200-661-7 | Xi R36; F R11<br>R67 |       |
- **Additional information** For the wording of the listed risk phrases refer to section 16.

### 4 First aid measures

- **Description of first aid measures**
- **General information** Instantly remove any clothing soiled by the product.
- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact** Wash with water and soap and rinse thoroughly.
- **After eye contact**  
Rinse opened eye for several minutes under running water. Then consult doctor.
- **After swallowing**  
Drink copious amounts of water and provide fresh air. Instantly call for doctor.  
Do not induce vomiting; instantly call for medical help.

### 5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents**  
CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **Special hazards arising from the substance or mixture**  
Can be released in case of fire  
Carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>)  
Can form explosive gas-air mixtures.
- **Advice for firefighters**
- **Protective equipment:**  
Wear self-contained breathing apparatus.  
Do not inhale explosion gases or combustion gases.  
Wear full protective suit.

(Contd. on page 3)



**Safety data sheet**  
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Version number 7

Revision: 12.08.2010

Trade name: OKS 2631

(Contd. of page 2)

- **Additional information** Cool endangered containers with water spray jet.

## 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Keep away from ignition sources  
Wear protective equipment. Keep unprotected persons away.  
Ensure adequate ventilation
- **Environmental precautions:**  
Do not allow to enter drainage system, surface or ground water.  
Do not allow to enter the ground/soil.
- **Methods and material for containment and cleaning up:**  
Dispose of contaminated material as waste according to item 13.  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Ensure adequate ventilation.
- **Reference to other sections**  
See Section 8 for information on personal protection equipment.

## 7 Handling and storage

- **Handling**
- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Keep away from heat and direct sunlight.  
Use only in well ventilated areas.
- **Information about protection against explosions and fires:**  
Keep ignition sources away - Do not smoke.  
Fumes can combine with air to form an explosive mixture.  
Do not spray on flames or red-hot objects.  
Beware: Container 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.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:**  
Observe official regulations on storing packagings with pressurized containers.  
Store in cool location.
- **Information about storage in one common storage facility:** Store away from oxidizing agents.
- **Further information about storage conditions:**  
Protect from heat and direct sunlight.  
Store in a cool place. Heat will increase pressure and may lead to the container exploding.
- **Storage class** 2B Druckgaspackungen

## 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with critical values that require monitoring at the workplace:**

### 67-63-0 propan-2-ol

WEL Short-term value: 1250 mg/m<sup>3</sup>, 500 ppm  
Long-term value: 999 mg/m<sup>3</sup>, 400 ppm

(Contd. on page 4)

**Safety data sheet**  
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Printing date 04.02.2011

Version number 7

Revision: 12.08.2010

Trade name: OKS 2631

(Contd. of page 3)

- **Additional information:**  
The currently valid safety information database was used to compile this data sheet.
- **Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**  
Do not eat, drink or smoke while working.  
Instantly remove any soiled and impregnated garments.  
Wash hands during breaks and at the end of the work.  
Avoid contact with the eyes and skin.
- **Breathing equipment:** Not necessary if room is well-ventilated.
- **Protection of hands:** Protective gloves.
- **Material of gloves:** Nitrile rubber, NBR
- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Tightly sealed safety glasses.

## 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
  - Form:** Aerosol
  - Colour:** Light blue
  - Smell:** Characteristic
- **Change in condition**
  - Melting point/Melting range:** Not applicable, as aerosol
  - Boiling point/Boiling range:** Not applicable, as aerosol
- **Flash point:** < 21°C (ISO 2592)
- **Self-inflammability:** Product is not self igniting.
- **Danger of explosion:** Product is not explosive. However, formation of explosive air/steam mixtures is possible.
- **Critical values for explosion:**
  - Lower:** 1.5 Vol %
  - Upper:** 10.9 Vol %
- **Density at 20°C:** 0.92 g/cm<sup>3</sup> (DIN 51 757)
- **Solubility in / Miscibility with Water:** Fully miscible

## 10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions**  
Reacts with oxidizing agents  
Danger of bursting

(Contd. on page 5)

**Safety data sheet**  
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Version number 7

Revision: 12.08.2010

Trade name: OKS 2631

(Contd. of page 4)

Forms explosive gases / fumes

- **Hazardous decomposition products:** Carbon monoxide and carbon dioxide

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritant effect.
- **Sensitization:** No sensitizing effect known.

### 12 Ecological information

- **Toxicity**
- **Acquatic toxicity:** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (Self-assessment): slightly hazardous for water.  
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **European waste catalogue**  
16 05 04\* gases in pressure containers (including halons) containing dangerous substances
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- **Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)**
- **ADR/RID-GGVS/E Class:** 2 5F Gases.
- **Kemler Number:** -
- **UN-Number:** 1950
- **Packaging group:** -
- **Label** 2.1
- **UN proper shipping name:** 1950 AEROSOLS
- **Tunnel restriction code** D
- **Maritime transport IMDG/GGVSea:**
- **IMDG/GGVSea Class:** 2.1
- **UN Number:** 1950

(Contd. on page 6)



**Safety data sheet**  
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Version number 7

Revision: 12.08.2010

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(Contd. of page 5)

- **Label** 2.1
- **Packaging group:** -
- **EMS Number:** F-D,S-U
- **Marine pollutant:** No
- **Correct technical name:** AEROSOLS
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** 2.1
- **UN/ID Number:** 1950
- **Label** 2.1
- **Packaging group:** -
- **Correct technical name:** AEROSOLS, flammable
- **Special precautions for user** Warning: Gases.

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Class Share in %**
- **NK 10-25**
- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

This data is based on our present knowledge. However, it shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**
- R11 Highly flammable.
- R12 Extremely flammable.
- R36 Irritating to eyes.
- R67 Vapours may cause drowsiness and dizziness.
- **Department issuing data specification sheet:** Technical departement
- **Contact:** Technical departement
- \* **Data compared to the previous version altered.**

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