

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 1601

Version	Revision Date:	Date of last issue: 19.07.2022	Print Date:
2.4	07.11.2024	Date of first issue: 18.06.2016	19.05.2025

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

### 1.1 Product identifier

Product name : OKS 1601

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : release agent spray

Recommended restrictions on use : Restricted to professional users.

### 1.3 Details of the supplier of the safety data sheet

Company : OKS Spezialschmierstoffe GmbH  
Ganghoferstr. 47  
82216 Maisach-Gernlinden  
Deutschland  
Tel.: +49 8142 3051 500  
Fax: +49 8142 3051 599  
info@oks-germany.com

E-mail address of person responsible for the SDS : mcm@oks-germany.com

National contact :

### 1.4 Emergency telephone number

Emergency telephone number : +49 8142 3051 517

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification (REGULATION (EC) No 1272/2008)

Aerosols, Category 1

H222: Extremely flammable aerosol.

H229: Pressurised container: May burst if heated.

### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)


# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 1601

Version	Revision Date:	Date of last issue:	Print Date:
2.4	07.11.2024	19.07.2022 Date of first issue: 18.06.2016	19.05.2025

Hazard pictograms : 

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.

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : Active substance with propellant

#### Components

Chemical name	CAS-No. EC-No. Index-No.	Classification	specific concentration limit M-Factor	Concentration (% w/w)

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 1601

Version 2.4	Revision Date: 07.11.2024	Date of last issue: 19.07.2022 Date of first issue: 18.06.2016	Print Date: 19.05.2025
----------------	------------------------------	---	---------------------------

	Registration number		Notes Acute toxicity estimate	
Substances with a workplace exposure limit :				
dimethyl ether	115-10-6 204-065-8  603-019-00-8 01-2119472128-37-XXXX	Flam. Gas1A; H220 Press. GasLiquefied gas; H280	Note U (table 3.1)	$\geq 30 - < 50$
glycerol	56-81-5 200-289-5	Not classified		$\geq 1 - < 10$

For explanation of abbreviations see section 16.

## SECTION 4: First aid measures

### 4.1 Description of 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.

### 4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : Inhalation may provoke the following symptoms:

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 1601

Version	Revision Date:	Date of last issue:	Print Date:
2.4	07.11.2024	19.07.2022 Date of first issue: 18.06.2016	19.05.2025

Unconsciousness  
Dizziness  
Drowsiness  
Headache  
Nausea  
Tiredness

Risks : None known.

### 4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : ABC powder

Unsuitable extinguishing media : High volume water jet

### 5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : 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.

Hazardous combustion products : Carbon oxides

### 5.3 Advice for firefighters

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.  
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Cool containers/tanks with water spray.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 1601

Version	Revision Date:	Date of last issue: 19.07.2022	Print Date:
2.4	07.11.2024	Date of first issue: 18.06.2016	19.05.2025

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

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.  
Only qualified personnel equipped with suitable protective equipment may intervene.

#### 6.2 Environmental precautions

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.

#### 6.3 Methods and material for containment and cleaning up

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.

#### 6.4 Reference to other sections

For personal protection see section 8.

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe 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 get in eyes or mouth or on skin.  
Do not get on skin or clothing.  
Do not ingest.  
Do not use sparking tools.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 1601

Version	Revision Date:	Date of last issue: 19.07.2022	Print Date:
2.4	07.11.2024	Date of first issue: 18.06.2016	19.05.2025

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.

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

### 7.2 Conditions for safe storage, including any incompatibilities

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.

Protect from frost.

Storage class (TRGS 510) : 2B, Aerosol cans and lighters

### 7.3 Specific end use(s)

Specific use(s) : Specific instructions for handling, not required.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
dimethyl ether	115-10-6	TWA	1.000 ppm 1.920 mg/m3	2000/39/EC (2000-06-16)
	Further information: Indicative			
		MAK	1.000 ppm 1.900 mg/m3	DE DFG MAK (2005-07-01)
	Further information: Either there are no data for an assessment of damage to the embryo or foetus, including developmental neurotoxicity, or the currently available data are not sufficient for classification in one of the groups A - C			
		AGW	1.000 ppm 1.900 mg/m3	DE TRGS 900 (2010-08-04)
	Peak-limit: excursion factor (category): 8;(II)			
glycerol	56-81-5	MAK (inhalable fraction)	200 ppm	DE DFG MAK (2023-07-01)
	Further information: Damage to the embryo or foetus is unlikely when the MAK value or the BAT value is observed			

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 1601

Version	Revision Date:	Date of last issue: 19.07.2022	Print Date:
2.4	07.11.2024	Date of first issue: 18.06.2016	19.05.2025

	AGW (Inhalable fraction)	200 mg/m3	DE TRGS 900 (2016-11-04)
	Peak-limit: excursion factor (category): 2;(I)		
	Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child		

### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
dimethyl ether	Workers	Inhalation	Long-term exposure	1894 mg/m3
glycerol	Workers	Inhalation	Long-term local effects	56 mg/m3

### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
dimethyl ether	Fresh water	0,155 mg/l
	Marine water	0,016 mg/l
	Sewage treatment plant	160 mg/l
	Fresh water sediment	0,681 mg/kg
	Marine sediment	0,069 mg/kg
glycerol	Soil	0,045 mg/kg
	Fresh water	0,885 mg/l
	Marine water	0,088 mg/l
	Intermittent use/release	8,85 mg/l
	Microbiological Activity in Sewage Treatment Systems	1000 mg/l
	Fresh water sediment	3,3 mg/kg
	Marine sediment	0,33 mg/kg
	Soil	0,141 mg/kg

## 8.2 Exposure controls

### 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

Eye/face protection : Safety glasses with side-shields

#### Hand protection

Material : butyl-rubber  
Break through time : > 10 min  
Protective index : Class 1

Remarks : 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.  
The selected protective gloves have to satisfy the

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 1601

Version 2.4	Revision Date: 07.11.2024	Date of last issue: 19.07.2022 Date of first issue: 18.06.2016	Print Date: 19.05.2025
----------------	------------------------------	---	---------------------------

specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

- Skin and body protection : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.
- 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 : Recommended Filter type:  
Organic gas and low boiling vapour type (AX)
- Protective measures : The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### Environmental exposure controls

- Air :  
No special environmental precautions required.
- Soil :  
The product should not be allowed to enter drains, water courses or the soil.
- Water :  
The product should not be allowed to enter drains, water courses or the soil.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Physical state : aerosol
- Colour : colourless
- Odour : characteristic
- Odour Threshold : No data available



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 1601

Version 2.4	Revision Date: 07.11.2024	Date of last issue: 19.07.2022 Date of first issue: 18.06.2016	Print Date: 19.05.2025
----------------	------------------------------	---	---------------------------

Melting point/range	:	No data available
Boiling point/boiling range	:	-24,8 °C (1.013 hPa)
Flammability (solid, gas)	:	Extremely flammable aerosol.
Upper explosion limit / Upper flammability limit	:	18,6 %(V)
Lower explosion limit / Lower flammability limit	:	3 %(V)
Flash point	:	-41 °C Method: Abel-Pensky
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
pH	:	6,4 (20 °C) Concentration: 100 %
Viscosity		
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	< 20,5 mm <sup>2</sup> /s (40 °C)
Solubility(ies)		
Water solubility	:	insoluble
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Vapour pressure	:	4.500 hPa (20 °C)
Relative density	:	0,84 (20 °C) Reference substance: Water The value is calculated
Density	:	0,84 g/cm <sup>3</sup> (20 °C)
Bulk density	:	No data available
Relative vapour density	:	No data available

## 9.2 Other information

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 1601

Version 2.4	Revision Date: 07.11.2024	Date of last issue: 19.07.2022 Date of first issue: 18.06.2016	Print Date: 19.05.2025
----------------	------------------------------	---	---------------------------

Explosives	:	Not explosive
Oxidizing properties	:	No data available
Self-ignition	:	No data available
Metal corrosion rate	:	Not corrosive to metals
Evaporation rate	:	No data available
Sublimation point	:	No data available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No hazards to be specially mentioned.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.

### 10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.  
Strong sunlight for prolonged periods.  
Risk of receptacle bursting.

### 10.5 Incompatible materials

Materials to avoid : Oxidizing agents

### 10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

##### Product:

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

Acute inhalation toxicity : Symptoms: Inhalation may provoke the following symptoms:,

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 1601

Version	Revision Date:	Date of last issue: 19.07.2022	Print Date:
2.4	07.11.2024	Date of first issue: 18.06.2016	19.05.2025

Respiratory disorder

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

### Components:

#### **dimethyl ether:**

Acute inhalation toxicity : LC50 (Rat): 309 mg/l  
Exposure time: 4 h  
Test atmosphere: gas

#### **glycerol:**

Acute oral toxicity : LD50 (Rat, male): 18.300 mg/kg  
Acute dermal toxicity : LD50 (Rat): 56.750 mg/kg

### **Skin corrosion/irritation**

#### Product:

Remarks : This information is not available.

### Components:

#### **dimethyl ether:**

Assessment : No skin irritation  
Result : No skin irritation

### **Serious eye damage/eye irritation**

#### Product:

Remarks : Irritating to eyes.

### Components:

#### **dimethyl ether:**

Assessment : No eye irritation  
Result : No eye irritation

### **Respiratory or skin sensitisation**

#### Product:

Remarks : This information is not available.

### Components:

#### **dimethyl ether:**

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 1601

Version	Revision Date:	Date of last issue: 19.07.2022	Print Date:
2.4	07.11.2024	Date of first issue: 18.06.2016	19.05.2025

Assessment : Does not cause skin sensitisation.  
Result : Does not cause skin sensitisation.

### Germ cell mutagenicity

#### Product:

Genotoxicity in vitro : Remarks: No data available

Genotoxicity in vivo : Remarks: No data available

#### Components:

##### **dimethyl ether:**

Genotoxicity in vitro : Test Type: Ames test  
Method: OECD Test Guideline 471  
Result: negative

Genotoxicity in vivo : Species: Drosophila melanogaster (vinegar fly)  
Application Route: inhalation (gas)  
Method: OECD Test Guideline 477  
Result: negative

##### **glycerol:**

Germ cell mutagenicity-  
Assessment : Tests on bacterial or mammalian cell cultures did not show  
mutagenic effects.

### Carcinogenicity

#### Product:

Remarks : No data available

#### Components:

##### **dimethyl ether:**

Species : Rat  
Application Route : inhalation (gas)  
Exposure time : 2 Years  
: 47 mg/l  
Method : OECD Test Guideline 453  
Result : negative

##### **glycerol:**

Carcinogenicity -  
Assessment : No evidence of carcinogenicity in animal studies.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 1601

Version 2.4	Revision Date: 07.11.2024	Date of last issue: 19.07.2022 Date of first issue: 18.06.2016	Print Date: 19.05.2025
----------------	------------------------------	---	---------------------------

### Reproductive toxicity

#### Product:

Effects on fertility : Remarks: No data available

Effects on foetal development : Remarks: No data available

#### Components:

##### **dimethyl ether:**

Reproductive toxicity - Assessment : - Fertility -  
Animal testing did not show any effects on fertility.

##### **glycerol:**

Reproductive toxicity - Assessment : - Fertility -  
No toxicity to reproduction  
- Teratogenicity -  
No effects on or via lactation

### STOT - single exposure

#### Product:

Remarks : No data available

### STOT - repeated exposure

#### Product:

Remarks : No data available

### Repeated dose toxicity

#### Product:

Remarks : This information is not available.

### Aspiration toxicity

#### Product:

This information is not available.

#### Components:

##### **dimethyl ether:**

No aspiration toxicity classification

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 1601

Version	Revision Date:	Date of last issue: 19.07.2022	Print Date:
2.4	07.11.2024	Date of first issue: 18.06.2016	19.05.2025

### glycerol:

No aspiration toxicity classification

## 11.2 Information on other hazards

### Endocrine disrupting properties

#### Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### Further information

#### Product:

Remarks : Information given is based on data on the components and the toxicology of similar products.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Product:

Toxicity to fish : Remarks: No data available

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

Toxicity to algae/aquatic plants : Remarks: No data available

Toxicity to microorganisms : Remarks: No data available

#### Components:

##### dimethyl ether:

Toxicity to fish : LC50 (Poecilia reticulata (guppy)): > 4.100 mg/l  
Exposure time: 96 h  
Test Type: semi-static test

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 4.400 mg/l  
Exposure time: 48 h  
Test Type: static test

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 1601

Version 2.4	Revision Date: 07.11.2024	Date of last issue: 19.07.2022 Date of first issue: 18.06.2016	Print Date: 19.05.2025
----------------	------------------------------	---	---------------------------

Toxicity to algae/aquatic plants : EC50 (green algae): 154,9 mg/l  
Exposure time: 96 h

### glycerol:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 54.000 mg/l  
Exposure time: 96 h  
Test Type: static test

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1.955 mg/l  
Exposure time: 48 h  
Test Type: static test

## 12.2 Persistence and degradability

### Product:

Biodegradability : Remarks: No data available

Physico-chemical removability : Remarks: No data available

### Components:

#### dimethyl ether:

Biodegradability : Test Type: aerobic  
Inoculum: activated sludge  
Result: Not readily biodegradable.  
Biodegradation: 5 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301D

#### glycerol:

Biodegradability : Result: Readily biodegradable.  
Biodegradation: 94 %  
Exposure time: 1 d

## 12.3 Bioaccumulative potential

### Product:

Bioaccumulation : Remarks: No data available

### Components:

#### dimethyl ether:

Partition coefficient: n-octanol/water : log Pow: 0,07 (25 °C)

#### glycerol:

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 1601

Version 2.4	Revision Date: 07.11.2024	Date of last issue: 19.07.2022 Date of first issue: 18.06.2016	Print Date: 19.05.2025
----------------	------------------------------	---	---------------------------

Partition coefficient: n-octanol/water : log Pow: -1,760

### 12.4 Mobility in soil

#### Product:

Mobility : Remarks: No data available

Distribution among environmental compartments : Remarks: No data available

### 12.5 Results of PBT and vPvB assessment

#### Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

#### Components:

##### **dimethyl ether:**

Assessment : Non-classified vPvB substance. Non-classified PBT substance

##### **glycerol:**

Assessment : Non-classified PBT substance. Non-classified vPvB substance

### 12.6 Endocrine disrupting properties

#### Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### 12.7 Other adverse effects

#### Product:

Additional ecological information : No information on ecology is available.

---

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 1601

Version 2.4	Revision Date: 07.11.2024	Date of last issue: 19.07.2022 Date of first issue: 18.06.2016	Print Date: 19.05.2025
----------------	------------------------------	---	---------------------------

Product	: Do not dispose of with domestic refuse. Dispose of as hazardous waste in compliance with local and national regulations.  Waste codes should be assigned by the user based on the application for which the product was used.
Contaminated packaging	: Packaging that is not properly emptied must be disposed of as the unused product. Offer empty spray cans to an established disposal company. Pressurized container: Do not pierce or burn, even after use.  The following Waste Codes are only suggestions:
Waste Code	: unused product, packagings not completely emptied 16 05 04**, gases in pressure containers (including halons) containing hazardous substances

## SECTION 14: Transport information

### 14.1 UN number or ID number

ADN	: UN 1950
ADR	: UN 1950
RID	: UN 1950
IMDG	: UN 1950
IATA	: UN 1950

### 14.2 UN proper shipping name

ADN	: AEROSOLS
ADR	: AEROSOLS
RID	: AEROSOLS
IMDG	: AEROSOLS
IATA	: Aerosols, flammable

### 14.3 Transport hazard class(es)

ADN	: 2
ADR	: 2
RID	: 2
IMDG	: 2.1
IATA	: 2.1

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 1601

Version	Revision Date:	Date of last issue: 19.07.2022	Print Date:
2.4	07.11.2024	Date of first issue: 18.06.2016	19.05.2025

### 14.4 Packing group

#### ADN

Packing group : Not assigned by regulation  
Classification Code : 5F  
Labels : 2.1

#### ADR

Packing group : Not assigned by regulation  
Classification Code : 5F  
Labels : 2.1  
Tunnel restriction code : (D)

#### RID

Packing group : Not assigned by regulation  
Classification Code : 5F  
Hazard Identification Number : 23  
Labels : 2.1

#### IMDG

Packing group : Not assigned by regulation  
Labels : 2.1  
EmS Code : F-D, S-U

#### IATA (Cargo)

Packing instruction (cargo aircraft) : 203  
Packing instruction (LQ) : Y203  
Packing group : Not assigned by regulation  
Labels : Flammable Gas

#### IATA (Passenger)

Packing instruction (passenger aircraft) : 203  
Packing instruction (LQ) : Y203  
Packing group : Not assigned by regulation  
Labels : Flammable Gas

### 14.5 Environmental hazards

#### ADN

Environmentally hazardous : no

#### ADR

Environmentally hazardous : no

#### RID

Environmentally hazardous : no

#### IMDG

Marine pollutant : no

### 14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 1601

Version	Revision Date:	Date of last issue: 19.07.2022	Print Date:
2.4	07.11.2024	Date of first issue: 18.06.2016	19.05.2025

Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

### 14.7 Maritime transport in bulk according to IMO instruments

Remarks : Not applicable for product as supplied.

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)	:	Not applicable
REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). (EU SVHC)	:	This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer (EC 1005/2009)	:	Not applicable
Regulation (EU) 2019/1021 on persistent organic pollutants (recast) (EU POP)	:	Not applicable
Regulation (EU) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals (EU PIC)	:	Not applicable
REACH - List of substances subject to authorisation (Annex XIV) (EU. REACH-Annex XIV)	:	Not applicable
Regulation (EU) 2019/1148 on the marketing and use of explosives precursors	:	Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of	P3a	FLAMMABLE AEROSOLS
--	-----	--------------------

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 1601

Version	Revision Date:	Date of last issue: 19.07.2022	Print Date:
2.4	07.11.2024	Date of first issue: 18.06.2016	19.05.2025

major-accident hazards involving dangerous substances.

Water hazard class : WGK 1 slightly hazardous to water  
(Germany) Classification according to AwSV, Annex 1 (5.2)

TA Luft List (Germany) : 5.2.1: Total dust:  
others: 0,42 %  
5.2.2: Inorganic substances in powdered form:  
Not applicable  
5.2.4: Inorganic substances in gaseous form:  
Not applicable  
5.2.5: Organic Substances:  
Not applicable  
5.2.7.1.1: Carcinogenic substance:  
Not applicable  
5.2.7.1.1: Quartz fine dust PM4:  
Not applicable  
5.2.7.1.1: Formaldehyde:  
Not applicable  
5.2.7.1.1: fibres:  
Not applicable  
5.2.7.1.2: Germ cell mutagens:  
Not applicable  
5.2.7.1.3: Substances toxic to reproduction:  
Not applicable  
5.2.7.2: Poorly degradable, easily enrichable and highly toxic  
organic substances:  
Not applicable

Volatile organic compounds : Directive 2010/75/EU of 24 November 2010 on industrial  
emissions (integrated pollution prevention and control)  
Volatile organic compounds (VOC) content: 40,8 %

### Other regulations:

Take note of Directive 94/33/EC on the protection of young people at work or stricter national  
regulations, where applicable.

## 15.2 Chemical safety assessment

This information is not available.

## SECTION 16: Other information

### Full text of H-Statements

H220 : Extremely flammable gas.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 1601

Version	Revision Date:	Date of last issue: 19.07.2022	Print Date:
2.4	07.11.2024	Date of first issue: 18.06.2016	19.05.2025

H280 : Contains gas under pressure; may explode if heated.

### Full text of other abbreviations

Note U (table 3.1) : When put on the market gases have to be classified as "Gases under pressure", in one of the groups compressed gas, liquefied gas, refrigerated liquefied gas or dissolved gas. The group depends on the physical state in which the gas is packaged and therefore has to be assigned case by case. The following codes are assigned: Press. Gas (Comp.) Press. Gas (Liq.) Press. Gas (Ref. Liq.) Press. Gas (Diss.) Aerosols shall not be classified as gases under pressure (See Annex I, Part 2, Section 2.3.2.1, Note 2).

2000/39/EC : Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values

DE DFG MAK : Germany. MAK BAT Annex IIa

DE TRGS 900 : Germany. TRGS 900 - Occupational exposure limit values.

2000/39/EC / TWA : Limit Value - eight hours

DE DFG MAK / MAK : MAK value

DE TRGS 900 / AGW : Time Weighted Average

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 1601

Version	Revision Date:	Date of last issue: 19.07.2022	Print Date:
2.4	07.11.2024	Date of first issue: 18.06.2016	19.05.2025

High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Further information

#### Classification of the mixture:

Aerosol 1

H222, H229

#### Classification procedure:

Based on product data or assessment

|| Relevant changes compared to the last edition are highlighted at the left margin. This version replaces all previous editions.

This safety data sheet applies only to products as originally packed and labelled. The information contained therein may not be reproduced or modified without our express written permission. Any forwarding of this document is only permitted to the extent required by law. Any further, in particular public, dissemination of the safety data sheet (e.g. as a document for download from the Internet) is not permitted without our express written consent. We provide our customers with amended safety data sheets as prescribed by law. The customer is responsible for passing on safety data sheets and any amendments contained therein to its own customers, employees and other users of the product. We provide no guarantee that safety data sheets received by users from third parties are up-to-date. All information and instructions in this safety data sheet have been compiled to the best of our knowledge and are based on the information available to us on the day of publication. The information provided is intended to describe the product in relation to the required safety measures; it is neither an assurance of characteristics nor a guarantee of the product's suitability for particular applications and does not justify any contractual legal relationship. The existence of a safety data sheet for a particular jurisdiction does not necessarily mean that import or use within that jurisdiction is legally permitted. If you have any questions, please contact your responsible sales contact or authorized trading partner.