



OKS 2801

Version 1.9

Revision Date 26.07.2021

Print Date 26.07.2021

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

Product information

Product name : OKS 2801

Use of the Substance/Mixture : Foaming agent

Company : OKS Spezialschmierstoffe 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

: Aerosols, Category 3

GHS-Labeling

Signal word : Warning

Hazard statements : 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.
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
Aqueous solution



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Hazardous components

Chemical name	CAS-No.	Concentration[%]
dinitrogen oxide	10024-97-2	1 - 10
sodium N-lauroylsarcosinate	137-16-6	0,1 - 1

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 : 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.



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- Unsuitable extinguishing media : High volume water jet
- Hazardous combustion products : Nitrogen oxides (NO_x)
- 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.

6. Accidental release measures

- Personal precautions : Evacuate personnel to safe areas. Ensure adequate ventilation. 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.
- 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. Smoking, eating and drinking should be prohibited in the application area. Wash hands and face before breaks and immediately after



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handling the product.
Do not ingest.
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 : Protect from frost.
: 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
dinitrogen oxide	10024-97-2	MPC-STEEL	5 mg/m3	2018-04-23	RU OEL

Engineering measures

Handle only in a place equipped with local exhaust (or other appropriate exhaust).

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.
Short term only
Filter type A-P

Hand protection : Nitrile rubber
Manufacturer, importer, supplier: Class 1
Break through time: > 10 min
For prolonged or repeated contact use 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



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- 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 : characteristic

Safety data

- Flash point : Note: does not flash
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: not auto-flammable
pH : 7,8
at
20 °C
Melting point/range : Note: No data available
Boiling point/boiling range : 100 °C
at 1.013,00 hPa
Sublimation point : Note: No data available
Vapour pressure : 6.250,00 hPa
at 20 °C



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Density	: 1,02 g/cm ³ at 20 °C
Bulk density	: Note: No data available
Water solubility	: Note: soluble
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	: < 20,5 mm ² /s at 40 °C
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
Hazardous reactions	: No dangerous reaction known under conditions of normal use.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

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

Acute inhalation toxicity
sodium N-lauroylsarcosinate : LC50: 0,5 mg/l
Exposure time: 4 h
Species: Rat

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



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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.

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



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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.

13. Disposal considerations

- Product : 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.
Offer empty spray cans to an established disposal company.
Pressurized container: Do not pierce or burn, even after use.

14. Transport information

ADR

- UN number : 1950

- Description of the goods : AEROSOLS



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Class : 2
Classification Code : 5A
Labels : 2.2
Environmentally hazardous : no

IATA

UN number : 1950
Description of the goods : Aerosols, non-flammable
Class : 2.2
Labels : 2.2
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 : 2.2
Labels : 2.2
EmS Number : F-D, S-U
Marine pollutant : no

RID



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UN number : 1950
Description of the goods : AEROSOLS
Class : 2
Classification Code : 5A
Hazard Identification Number : 20
Labels : 2.2
Environmentally hazardous : no
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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