

Material Safety Data Sheet

According to 91/155 EEC



Printing date 18.02.2005

Reviewed on 07.12.2004

1 Identification of substance:

- **Product details:**
- **Trade name:** LUSIN ALRO OW 22
- **Application of the substance / the preparation** Coating
- **Manufacturer/Supplier:**
OKS Spezialschmierstoffe GmbH
Triebstrasse 9
D-80993 München
Phone (+49)-89-149892-0
Fax (+49)-89-1419219
- **Informing department:** Technical departement
- **Emergency information:**
OKS Spezialschmierstoffe GmbH
Triebstraße 9
D-80993 München
Tel. (+49) 089-149892-0
Fax (+49) 089-1419219

2 Composition/Data on components:

- **Chemical characterization**
- **Description:** Mixture of the substances listed below with harmless additions.
- **Dangerous components:**
CAS: 115-10-6 dimethyl ether 25-50%
EINECS: 204-065-8 F+; R 12
- **Additional information** For the wording of the listed risk phrases refer to section 16.

3 Hazards identification

- **Hazard designation:** void
- **Information pertaining to particular dangers for man 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.

4 First aid measures

- **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.

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5 Fire fighting measures

- **Suitable extinguishing agents**
CO₂, 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 caused by the material, its products of combustion or flue gases:**
Can be released in case of fire
Carbon monoxide (CO) and carbon dioxide (CO₂)
- **Protective equipment:** Wear self-contained breathing apparatus.
- **Additional information** Cool endangered containers with water spray jet.

6 Accidental release measures

- **Person-related safety precautions:**
Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:**
Do not allow to enter drainage system, surface or ground water.
Do not allow to enter the ground/soil.
- **Measures for cleaning/collecting:**
Ensure adequate ventilation.
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of the material collected according to regulations.

7 Handling and storage

- **Handling**
- **Information for safe handling:** Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
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.
Do not spray on flames or red-hot objects.
- **Storage**
- **Requirements to be met by storerooms and containers:**
Store in cool location.
Observe official regulations on storing packagings with pressurized containers.
- **Information about storage in one common storage facility:**
Store away from oxidizing agents.
- **Further information about storage conditions:** Protect from heat and direct sunlight.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

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• **Components with critical values that require monitoring at the workplace:**

115-10-6 dimethyl ether

OES Short-term value: 958 mg/m³, 500 ppmLong-term value: 766 mg/m³, 400 ppm

IOELV

• **Additional information:**

The currently valid safety information database was used to compile this data sheet.

• **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.

• **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:

• **General Information**

Form:	Aerosol
Colour:	Colourless
Smell:	Characteristic

• **Change in condition**

Melting point/Melting range: Not determined**Boiling point/Boiling range:** Not determined• **Flash point:** -41°C• **Ignition temperature:** 350°C• **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: 3.4 Vol %**Upper:** 18.0 Vol %• **Density** Not determined

• **Solubility in / Miscibility with**

Water: insoluble

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10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Dangerous reactions** Reacts with oxidizing agents
- **Dangerous products of decomposition:** No dangerous decomposition products known

11 Toxicological information

- **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:

- **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.

13 Disposal considerations

- **Product:**
- **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:** 23
- **UN-Number:** 1950
- **Packaging group:** -
- **Label** 2.1
- **Designation of goods:** 1950 AEROSOLS
- **Maritime transport IMDG/GGVSea:**
- **IMDG/GGVSea Class:** 2.1
- **UN Number:** 1950
- **Label** 2.1

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- **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

15 Regulatory information

- **Designation according to EC guidelines:**
- **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 gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
 - 51 Use only in well-ventilated areas.
 - 60 This material and its container must be disposed of as hazardous waste.
- **Special designation of certain preparations:**

Identification as aerosol under § 6(3) Ordinance on Hazardous Materials (GefStoffV): Pressurised container. Protect from sun-light and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray onto a naked flame or any incandescent object
- **National regulations**
- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

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 R-phrases**
 - 12 Extremely flammable.
- **Department issuing data specification sheet:** Technical departement
- **Contact:** Technical departement