

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

1.1 Product identifier

Trade name/designation Zinkoxid-Spray

Product-no.: 260911

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

Relevant identified uses

Sector of uses [SU]

SU1 Agriculture, forestry, fishery.

1.3 Details of the supplier of the safety data sheet

Supplier

leovet Dr. Jacoby GmbH & Co. KG

Beim Eberacker 1

Deutschland-35633 Lahnau

Telephone: 06441 96590

Telefax: 06441 965959

E-mail: info@leovet.de

Department responsible for information: Labor

Information telephone: 06441 965927

Information telefax: 06441 965962

1.4 Emergency telephone number

This number is serviced during office hours.

+49 (0) 6441 965927

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

health hazards

Skin Irrit. 2

hazard statements for health hazards

H315 Causes skin irritation.

hazard statements for health hazards

H336 May cause drowsiness or dizziness.

health hazards

Eye Irrit. 2

hazard statements for health hazards

H319 Causes serious eye irritation.

Physical hazards

Flam. Aerosol 1

hazard statements for physical hazards

H222 Extremely flammable aerosol.

Physical hazards

Gases under pressure

hazard statements for physical hazards

H229 Pressurised container: May burst if heated.

Environmental hazards

Aquatic Chronic 2

hazard statements for environmental hazards

H411 Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms



GHS02



GHS09



GHS07

Signal word

Danger

Hazard statements

Hazard statements for physical hazards

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

hazard statements for health hazards

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H319 Causes serious eye irritation.

Hazard statements for environmental hazards

H411 Toxic to aquatic life with long lasting effects.

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.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

P280 Wear eye protection/face protection.

Storage:

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Disposal:

P501 Dispose of contents/container to industrial incineration plant.

2.3 Other hazards

No data available

SECTION 3: Composition / information on ingredients

3.1/3.2 Substances/Mixtures

Hazardous ingredients

propan-2-ol

5 - <10 %

CAS 67-63-0

EC 200-661-7

INDEX 603-117-00-0

Flam. Liq. 2, H225 / Eye Irrit. 2, H319 / STOT SE 3, H336



propane	5 - <10 %
CAS 74-98-6	
EC 200-827-9	
INDEX 601-003-00-5	
Flam. Gas 1, H220	
isobutane	1 - <5 %
CAS 75-28-5	
EC 200-857-2	
INDEX 601-004-00-0	
Flam. Gas 1, H220	
butane	25 - <50 %
CAS 106-97-8	
EC 203-448-7	
INDEX 601-004-00-0	
Flam. Gas 1, H220	
zinc oxide	10 - <25 %
CAS 1314-13-2	
EC 215-222-5	
INDEX 030-013-00-7	
Aquatic Acute 1, H400 / Aquatic Chronic 1, H410	
Hydrocarbons, C5-C7 n-Alkane, Isoalkane, <5% nHexan	10 - <25 %
CAS 64742-49-0	
EC 922-114-8	
Skin Irrit. 2, H315 / STOT SE 3, H336 / Asp. Tox. 1, H304 / Aquatic Chronic 2, H411 / Flam. Liq. 1, H224	
Paraffinum Perliquidum	10 - <25 %
CAS 8042-47-5	
EC 232-455-8	
Asp. Tox. 1, H304	

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Move victim out of danger zone and lay down. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Do not leave affected person unattended. Put victim at rest, cover with a blanket and keep warm. Remove contaminated, saturated clothing immediately.

Following inhalation

Provide fresh air. In case of inhaling spray mists, consult a doctor immediately and show him box or label. In case of respiratory tract irritation, consult a physician.

Following skin contact

Wash immediately with:

Water and soap

After eye contact

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do not induce vomiting.



4.2 Most important symptoms and effects, both acute and delayed

Effects

Anaesthetic state

4.3 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Firefighting measures

Additional information

Use water spray/stream to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

5.1 Extinguishing media

Suitable extinguishing media

Water

BC-powder

Unsuitable extinguishing media

High power water jet.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Can be released in case of fire:

Carbon monoxide. Carbon dioxide (CO₂).

Nitrogen oxides (NO_x)

5.3 Advice for firefighters

No data available

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Personal precautions

Wear personal protection equipment. Remove all sources of ignition. Wear respiratory protection when in the presence of vapour, dust, and aerosols. Provide adequate ventilation.

For emergency responders

Personal protection equipment

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

6.2 Environmental precautions

Do not empty into drains or the aquatic environment. Retain contaminated washing water and dispose it. Cover drains.

6.3 Methods and material for containment and cleaning up

No data available

6.4 Reference to other sections

Disposal: see section 13

Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1 Precautions for safe handling

No data available



7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed.

Further information on storage conditions

Keep only in the original container in a cool, well-ventilated place. Keep in a cool, well-ventilated place.

Do not store at temperatures over:

storage temperature

Value >10 - <30 °C

7.3 Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

biological limit values

Substance name n-Hexan

CAS No. 110-54-3

parameter

2,5-Hexandion plus 4,5-Dihydroxy-2-hexanon

Limit value =5 mg/L

Test material:

Urine (U).

8.2 Exposure controls

Personal protection equipment

Eye/face protection

Suitable eye protection:

Eye glasses

Eye glasses with side protection

Skin protection

Suitable gloves type:

Disposable gloves

Suitable material:

NBR (Nitrile rubber)

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state

Aerosol

Colour

white

Odour

characteristic

parameter

Method - source - remark

pH not determined

Melting point/freezing point not determined



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Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

Zinkoxid-Spray

Print date

10.12.2020

Revision date

29.07.2020

Version

1.4

parameter		Method - source - remark	
Initial boiling point and boiling range		not applicable	
Flash point (°C)		not applicable	
Evaporation rate		not determined	
flammability		not determined	
Upper explosion limit	15 Vol-%		
lower explosion limit	1 Vol-%		
Vapour pressure	3,8 bar	Temperature 20 °C	
Vapour pressure	6,8 bar	Temperature 50 °C	
Vapour density		not determined	
Relative density	0,74 g/cm ³	Temperature 20 °C	
Fat solubility (g/L)		not determined	
Water solubility (g/L)		practically insoluble	
Soluble (g/L) in		not determined	
Partition coefficient: n-octanol/water		not determined	
Auto-ignition temperature		not determined	
Auto-ignition temperature	>160 °C		
Decomposition temperature		not determined	
Dynamic viscosity		not determined	
flow time		not determined	
Kinematic viscosity		not relevant	

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No information available.

10.2 Chemical stability

No information available.

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

Ignition hazard.

10.5 Incompatible materials

Materials to avoid

Reacts with :

Oxidizing agents, strong.

10.6 Hazardous decomposition products

Decomposition under formation of:

Gas/vapour, highly flammable.

SECTION 11: Toxicological information

Toxicokinetics, metabolism and distribution

Human toxicological data

This information is not available.

11.1 Information on toxicological effects

skin corrosion/irritation

remark

In rare cases the product can cause temporary erythema of the skin.

Respiratory or skin sensitisation

Skin sensitisation

Result / evaluation

sensitising.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Germ cell mutagenicity

Assessment/classification

none

Carcinogenicity

remark

No indication of human carcinogenicity.

Reproductive toxicity

Assessment/classification

none

STOT-repeated exposure

STOT RE 1 and 2

Other information

none

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Chronic (long-term) fish toxicity

ingredient zinc oxide

Chronic (long-term) fish toxicity 23,06 mg/L

Test duration 84 h

12.2 Persistence and degradability

Biodegradation

ingredient propan-2-ol

Degradation rate (%): 53 %

source

ECHA



12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

Assessment/classification

data lacking

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

remark

Die Zuordnung der Abfallschlüsselnummern/Abfallbezeichnungen ist entsprechend AVV branchen- und prozessspezifisch durchzuführen. (Bemerkung: Die Abfallschlüsselnummern/Abfallbezeichnungen gemäß AVV sind aufzuführen)

Directive 2008/98/EC (Waste Framework Directive)

After intended use

Appropriate disposal / Product

Waste disposal according to EC Directives 75/442/EEC and 91/689/EEC on waste and hazardous waste in their latest versions.

Waste code packaging 150110

hazardous waste Yes.

Waste name

packaging containing residues of or contaminated by hazardous substances

Waste code packaging 150104

hazardous waste No

Waste name

metallic packaging

Waste code packaging 160504

hazardous waste Yes.

Waste name

gases in pressure containers (including halons) containing hazardous substances

SECTION 14: Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN-No.	1950	1950	1950
14.2 Proper Shipping Name	AEROSOLS	AEROSOLS	Aerosols, flammable, (engine starting fluid)
14.3 Class(es)	2	2.1	2.1
14.4 Packing group			
14.5 ENVIRONMENTALLY HAZARDOUS	Yes.	Yes.	Yes.
14.6 Special precautions for user	not applicable	not applicable	not applicable



Land transport (ADR/RID)

Sea transport (IMDG)

Air transport (ICAO-TI / IATA-DGR)

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code not applicable

not applicableNo transport as not applicable bulk according to IBC Code.

Additional information - Land transport (ADR/RID)

Hazard label(s) 2.1
Classification code 5F
Limited quantity (LQ) 1 L
tunnel restriction code D
transport category 2
remark Gewässergefährdend

Additional information - Sea transport (IMDG)

Marine pollutant Yes.
remark Gewässergefährdend

Additional information - Air transport (ICAO-TI / IATA-DGR)

Limited quantity (LQ) 0
remark Gewässergefährdend

SECTION 15: Regulatory information

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

EU legislation

Authorisations and/or restrictions on use

restrictions on use

Use restriction according to REACH annex XVII, no.:
none

Other regulations (EU)

Directive 2004/42/EC on the limitation of emissions of volatile organic compounds

VOC limit value: =561,07 g/L

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Abbreviations and acronyms

For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

See SECTION 2.1 (classification).

Relevant R-, H- and EUH-phrases (Number and full text)

H220 Extremely flammable gas.
H222 Extremely flammable aerosol.
H224 Extremely flammable liquid and vapour.
H225 Highly flammable liquid and vapour.
H229 Pressurised container: May burst if heated.
H280 Contains gas under pressure; may explode if heated.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H400 Very toxic to aquatic life.



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H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.