

MK-dent SERVICE OIL (LU1031)

Print date 06.10.2025
Revision date 06.10.2025
Version 1.2 (en)
replaces version of 10.11.2023 (1.1)



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

1.1 Product identifier

Trade name/designation MK-dent SERVICE OIL (LU1031)

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

Use of the substance/mixture

Lubricant

1.3 Details of the supplier of the safety data sheet

Supplier

MK-dent GmbH
Marie-Curie-Straße 2
D-22941 Bargteheide
Telephone +49(0)4532-400490
Telefax +49(0)4532-4004910
E-mail info@mk-dent.com
Website www.mk-dent.com

Department responsible for information:
Produktinformation / Product Information
Telephone +49(0)4532-400490
Telefax +49(0)4532-4004910

1.4 Emergency telephone number

Poison information centre Göttingen GIZ-Nord +49 (0) 551-19 240
(Advice in German and English)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Remark

This product is not classified as hazardous according to Regulation (EC) 1272/2008 [CLP].

2.2 Label elements

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

Remark

The product does not require labelling according to Regulation (EC) No 1272/2008 [CLP].

2.3 Other hazards

Adverse human health effects and symptoms

The mixture does not contain substances $\geq 0.1\%$ of substances that have endocrine disrupting properties according to Regulation (EC) No. 1907/2006, Article 59(1) or Regulation (EU) 2017/2100 or Regulation (EU) 2018/605.

Adverse environmental effects

The mixture does not contain substances $\geq 0.1\%$ of substances that have endocrine disrupting properties according to Regulation (EC) No. 1907/2006, Article 59(1) or Regulation (EU) 2017/2100 or Regulation (EU) 2018/605.

Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

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SECTION 3: Composition / information on ingredients

3.1 Substances

not applicable

3.2 Mixtures

Hazardous ingredients

CAS No	EC No	Index No	Substance name	Concentration	Classification according to Regulation (EC) No 1272/2008 [CLP]	SCL/ M/ ATE
61789-86-4	263-093-9		Sulfonic acids, petroleum, calcium salts	< 1 %	Eye Irrit. 2; H319	

SECTION 4: First aid measures

4.1 Description of first aid measures

Following inhalation

Provide fresh air.

Following skin contact

Rinse skin with water.

After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

Following ingestion

Do NOT induce vomiting.
Rinse mouth thoroughly with water.
Consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms

If swallowed or in the event of vomiting, risk of entering the lungs.
Skin irritation possible

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

alcohol resistant foam
Extinguishing powder
Carbon dioxide (CO₂)

Unsuitable extinguishing media

Full water jet

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5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

In the event of fire the following can be released:

Carbon monoxide
Carbon dioxide (CO₂)

5.3 Advice for firefighters

Special protective equipment for firefighters

In case of fire: Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Special danger of slipping by leaking/spilling product.

For emergency responders

Use personal protection equipment.

6.2 Environmental precautions

Prevent release to the environment. Prevent further leakage or spilling if this can be done safely.

6.3 Methods and material for containment and cleaning up

For containment

Take up with absorbent material (e.g. sand, general-purpose binder, kieselguhr).
After taking up the material dispose according to regulation.

6.4 Reference to other sections

Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

Avoid skin and eye contact
Take the usual precautions when handling with chemicals.

Advices on general occupational hygiene

Please observe work hygiene regulations.
When using do not eat, drink, smoke.
Wash hands before breaks and after work.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep/Store only in original container.

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7.3 Specific end use(s)

Recommendation
See section 1.2

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

No data available

8.2 Exposure controls

Personal protection equipment

Eye/face protection

Safety goggles (EN 166)
The selected safety goggles must be in compliance with the specifications of EU Directive 89/686/EEC and the resultant standard EN 166.

Hand protection

The selected protective gloves must be in compliance with the specifications of EU Directive 89/686/EEC and the resultant standard EN 374.
Recommended glove articles:
Gloves made of nitrile rubber (NBR)

Body protection:

Protective clothing

Respiratory protection

In the case of appropriate use and under normal conditions a respiratory protection is not necessary.
Respiratory protection necessary at:
exceeding exposure limit values

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state

liquid

Colour

light yellow

Odour

almost odourless

Safety relevant basis data

	Value	Method	Source, Remark
Odour threshold:	not determined		
Melting point/freezing point	not determined		
Boiling point or initial boiling point and boiling range	not determined		
flammability	not determined		
Lower and upper explosion limit	not determined		
Flash point	> 200 °C		

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	Value	Method	Source, Remark
Auto-ignition temperature	not determined		
Decomposition temperature	not determined		
pH	not determined		
Viscosity	kinematic 18 mm ² /s (40°C)	ASTM D 7042	
Solubility(ies)	not determined		
Partition coefficient n- octanol/water (log value)	not determined		
Vapour pressure	< 1 Pa (100°C)		
Density and/or relative density	0.82 g/cm ³		
Relative vapour density	not determined		
particle characteristics			not relevant

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

The product is considered non-reactive under normal conditions of use.

10.2 Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

no special requirement applies

10.5 Incompatible materials

strong acids
strong oxidisers

10.6 Hazardous decomposition products

No risk of production of decomposition products when appropriately handled and stored.

SECTION 11: Toxicological information

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

Acute toxicity

Animal data

	Effective dose	Method,Evaluation	Source, Remark
Acute oral toxicity	not determined		
Acute dermal toxicity	not determined		
Acute inhalation toxicity	not determined		

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Assessment/classification

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Assessment/classification

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Assessment/classification

Based on available data, the classification criteria are not met.

Sensitisation to the respiratory tract

Assessment/classification

Based on available data, the classification criteria are not met.

Skin sensitisation

Assessment/classification

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

not determined

Carcinogenicity

not determined

Reproductive toxicity

not determined

Overall Assessment on CMR properties

Based on available data, the classification criteria are not met.

STOT-single exposure

STOT SE 1 and 2

Assessment/classification

Based on available data, the classification criteria are not met.

STOT SE 3

Irritation to respiratory tract

Assessment/classification

Based on available data, the classification criteria are not met.

Narcotic effects

Assessment/classification

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Assessment/classification

Based on available data, the classification criteria are not met.

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Aspiration hazard

Assessment/classification

Based on available data, the classification criteria are not met.

11.2 Information on other hazards

Information on other hazards

	Effective dose	Method,Evaluation	Source, Remark
Endocrine disrupting properties			No data available

Other information

After ingestion larger quantities nausea and diarrhoea may be possible.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

	Effective dose	Method,Evaluation	Source, Remark
Acute (short-term) fish toxicity	not determined		
Chronic (long-term) fish toxicity	not determined		
Acute (short-term) toxicity to crustacea	not determined		
Chronic (long-term) toxicity to aquatic invertebrate	not determined		
Acute (short-term) toxicity to algae and cyanobacteria	not determined		
Chronic (long-term) toxicity to aquatic algae and cyanobacteria	not determined		
Toxicity to other aquatic plants/organisms	not determined		
Toxicity to microorganisms	not determined		

Assessment/classification

Based on available data, the classification criteria are not met.

12.2 Persistence and degradability

Assessment/classification

The product is not readily biodegradable.

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

Assessment/classification

The product floats on top of the water surface.

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

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12.6 Endocrine disrupting properties

	Effective dose	Method,Evaluation	Source, Remark
Endocrine disrupting properties			No data available

12.7 Other adverse effects

Additional ecotoxicological information

Additional information

Product is not allowed to be discharged into aquatic environment.
The product floats on top of the water/sewage.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Appropriate disposal / Product

Dispose of waste according to applicable legislation.

Appropriate disposal / Package

Dispose of in accordance with legal regulations.

Remark

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

SECTION 14: Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN number or ID number	-	-	-
14.2 UN proper shipping name	-	-	-
14.3 Transport hazard class(es)	-	-	-
14.4 Packing group	-	-	-
14.5 Environmental hazards	-	-	-

14.6 Special precautions for user

No data available

14.7 Maritime transport in bulk according to IMO instruments

not applicable

All transport carriers

No dangerous goods as defined by the transport regulations - ADR/RID, IMDG, ICAO/IATA-DGR.

SECTION 15: Regulatory information

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

EU legislation

Authorisations

None of the components is listed.

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Restrictions on use

None of the components is listed.

15.2 Chemical Safety Assessment

National regulations

A material safety assessment was not conducted.

SECTION 16: Other information

Abbreviations and acronyms

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

Key literature references and sources for data

Data sheets of the sub-supplier.
GESTIS Substance data base (<http://www.hvbg.de/d/bia/fac/zesp/zesp.htm>)
ECHA (European Chemical Agency)

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

The product is to be produced on the basis of the available hazard data of the ingredients, as defined in the classification criteria for mixtures for each hazard class in Annex I to Regulation (EC) No 1272/2008, classified.

Classification method:

Calculation

Additional information

National and local regulations concerning chemicals shall be observed.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products.

In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

Each user is responsible for the implementation of the national special regulations.

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

H319 Causes serious eye irritation.