

**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 >=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 >=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.



## **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 (CO<sub>2</sub>)

#### **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 (CO<sub>2</sub>)

**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 <sup>2</sup> /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 <sup>3</sup>		
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)
<b>14.1 UN number or ID number</b>	-	-	-
<b>14.2 UN proper shipping name</b>	-	-	-
<b>14.3 Transport hazard class(es)</b>	-	-	-
<b>14.4 Packing group</b>	-	-	-
<b>14.5 Environmental hazards</b>	-	-	-
<b>14.6 Special precautions for user</b>	No data available		
<b>14.7 Maritime transport in bulk according to IMO instruments</b>	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.