



Lapping and polishing oil JK10,

Print date 03.07.2024

Revision date 03.07.2024

Version 1.0 (en)

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

1.1 Product identifier

Trade name/designation Lapping and polishing oil JK10,

Unique Formula Identifier UFI: 8R97-V0NU-F008-T522

Hazard components

Distillates (Fischer-Tropsch), heavy, C15-19- branched, cyclic and linear, Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclenes, <2% aromatics , Kohlenwasserstoffe, C13-C16, Isoalkane, Cyclische Verbindungen, <2% Aromen , Hydrocarbons, C15-20
Hydrocarbons, C15-20
Hy

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

Sector of uses [SU]

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

SU3 Industrial uses

Use of the substance/mixture

Means for fine polishing

Uses advised against

This information is not available.

1.3 Details of the supplier of the safety data sheet

Supplier

joke Technology GmbH
Asselborner Weg 14-16
D-51249 Bergisch Gladbach
Telephone +49 (0) 22 04 / 8 39-0
Telefax +49 (0) 22 04 / 8 39-60
E-mail info@joke.de
Website <https://www.joke-technology.com/>

Department responsible for information:

Telephone +49 (0) 22 04 / 8 39-0

Telefax +49 (0) 22 04 / 8 39-60

E-mail (competent person):

sida@joke.de

1.4 Emergency telephone number

Vergiftungs-I-Z. Freiburg (Sprache / Language: DE, EN) +49 (0) 761 / 1 92 40

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]	Classification procedure
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Asp. Tox. 1, H304

Hazard statements for health hazards

H304 May be fatal if swallowed and enters airways.

Remark

The product is classified and labeled according to CLP regulation.

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2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008 [CLP]****Hazard components**

Distillates (Fischer-Tropsch), heavy, C15-19- branched, cyclic and linear, Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclenes, <2% aromatics , Kohlenwasserstoffe, C13-C16, Isoalkane, Cyclische Verbindungen, <2% Aromen , Hydrocarbons, C15-20

Hydrocarbons, C15-20

Hy

Hazard pictograms

GHS08

Signal word

Danger

Hazard statements

H304 May be fatal if swallowed and enters airways.

Precautionary statements

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P331 Do NOT induce vomiting.

P405 Store locked up.

P501 Dispose of contents and containers in accordance with local, regional, national and international regulations.

Remark

The product is classified and labeled according to CLP regulation.

2.3 Other hazards**Results of PBT and vPvB assessment**

not applicable

SECTION 3: Composition / information on ingredients**3.1 Substances**

not applicable

3.2 Mixtures**Description**

Mixture of substances listed below with non-hazardous admixtures.

Hazardous ingredients

CAS No	EC No	Index No	Substance name	Concentration	Classification according to Regulation (EC) No 1272/2008 [CLP]	SCL/ M/ ATE
1437281-01-0	824-499-7		Distillates (Fischer-Tropsch), heavy, C15-19- branched, cyclic and linear	20 - 60 weight-%	Asp. Tox. 1; H304	
	920-107-4		Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclenes, <2% aromatics	10 - 25 weight-%	Asp. Tox. 1; H304; EUH066	
1174522-45-2			Kohlenwasserstoffe, C13-C16, Isoalkane, Cyclische Verbindungen, <2% Aromen	10 - 25 weight-%	Asp. Tox. 1; H304	
1335203-17-2	934-956-3		Hydrocarbons, C15-20 Hydrocarbons, C15-20 Hy	10 - 25 weight-%	Asp. Tox. 1; H304	

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CAS No	EC No	Index No	Substance name	Concentration	Classification according to Regulation (EC) No 1272/2008 [CLP]	SCL/ M/ ATE
68425-15-0	270-335-7		Ditertiododecylpentasufid	≤ 2.5 weight-%	Aquatic Chronic 4; H413	

Additional information

The highly refined mineral oil contains a DMSOextractable content of less than 3% (w/w) according to IP 346.

Remark

Full text of H- and EUH-statements: see section 16.

SECTION 4: First aid measures**4.1 Description of first aid measures****General information**

Remove affected person from the danger area and lay down.
Do not leave affected person unattended.

Following inhalation

Remove casualty to fresh air and keep warm and at rest.
In the event of symptoms refer for medical treatment.

Following skin contact

Subsequently wash off with:
Water and soap
Take off contaminated clothing.

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.
Remove contact lenses, if possible
If eye irritation persists: seek medical attention (eye specialist or occupational physician).

Following ingestion

Rinse mouth thoroughly with water.
Do NOT induce vomiting.
Observe the aspiration hazard.
Turn a vomiting person lying on his back onto his side.
If symptoms persist consult a doctor.

Self-protection of the first aider

First aider: Pay attention to self-protection!

4.2 Most important symptoms and effects, both acute and delayed**Symptoms**

If decomposition products are inhaled the following symptoms can occur:

Irritating
Redness, drying and cracking of the skin.

The following symptoms may occur:

Cough
Dyspnoea
Pneumonia
Unconsciousness
Depression of central nervous system
Headache
Nausea
Dizziness



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4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor

Treat symptomatically.

Where appropriate artificial ventilation.

Regulation of the blood circulation, possible shock treatment.

Subsequent observance for pneumonia and lung oedema.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂)

Extinguishing powder

Sand

Water spray jet

Dry extinguishing powder

alcohol resistant foam

Unsuitable extinguishing media

Full water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

In case of fire formation of dangerous gases possible.

5.3 Advice for firefighters

Special protective equipment for firefighters

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

Protective clothing.

Additional information

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Use personal protection equipment.

Keep people away and stay on the upwind side.

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

Provide adequate ventilation.

Special danger of slipping by leaking/spilling product.

Remove all sources of ignition.

Avoid contact with skin and eyes.

6.2 Environmental precautions

Avoid release into the environment

In case of pollution of waters or sewers, inform the competent authorities.

Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up

For containment

Take up with absorbent material (e.g. sand, kieselguhr, acid binder, general-purpose binder, sawdust).

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For cleaning up

If the product enters the sewage system or public waters, the authorities must be notified

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:

Prevent small spills (danger of slipping)

Eye contact

Skin contact

generation/formation of aerosols

Technical ventilation of workplace

When using do not eat, drink, smoke, sniff.

Keep away from sources of ignition - No smoking.

Advices on general occupational hygiene

Wash hands before breaks and after work.

Remove contaminated, saturated clothing immediately.

Keep away from food and drink.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Prevent penetration into the ground.

solvent-resistant

Keep container tightly closed.

Materials to avoid

Do not store together with:

Reducing agent

Oxidising agent

Food and feedingstuffs

Further information on storage conditions

Keep container tightly closed in a cool, well-ventilated place.

Recommended storage temperature: room temperature.

Storage: cool and dry

7.3 Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

No data available

8.2 Exposure controls

Appropriate engineering controls

Remark

See section 7. Additional information on plant design:



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Personal protection equipment

Eye/face protection

Eye glasses with side protection
EN 166

Hand protection

If necessary, wear suitable protective gloves (EN 374).

Breakthrough times and swelling properties of the material must be taken into consideration.

Information on glove material [type, thickness, penetration time/wear time, wetting strength]: EN 374, NBR (nitrile rubber), >480 min., >0,38 mm

The selection of a suitable glove is not only dependent on the material, but also on further quality characteristics and varies from manufacturer to manufacturer. Since the product is a preparation of several substances, the resistance of glove materials cannot be predicted and must materials cannot be calculated in advance and must therefore be checked before use.

Body protection:

Protective clothing
EN 14605

Respiratory protection

Respiratory protection necessary at:

insufficient ventilation

aerosol or mist formation

Short term: filter apparatus, Filter A/P2

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state

liquid

Colour

yellowish

Odour

characteristic

Safety relevant basis data

	Value	Method	Source, Remark
Odour threshold:	not determined		
Melting point/freezing point	< -20 °C		
Boiling point or initial boiling point and boiling range	> 240 °C		
flammability	not determined		
Lower and upper explosion limit	not determined		
Flash point	108 °C		
Auto-ignition temperature	not determined		
Decomposition temperature	not determined		
pH	not determined		
Viscosity	kinematic 3- 4 mm ² /s (40°C)		
Solubility(ies)	Water solubility		Immiscible



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	Value	Method	Source, Remark
Partition coefficient n-octanol/water (log value)	not determined		
Vapour pressure	not determined		
Density and/or relative density	Density 0.8 g/cm ³ (20°C)		
Relative vapour density	not determined		
particle characteristics	not determined		

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

stable

10.3 Possibility of hazardous reactions

No hazardous reactions known.

10.4 Conditions to avoid

Evolution of heat.

10.5 Incompatible materials

Oxidising agent, strong
Reducing agent

10.6 Hazardous decomposition products

Phosphorus oxides (e.g. P₂O₅)
Reducing agent
Oxidising agent

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	LD50: > 5000 mg/kg		
Acute dermal toxicity	LD50: > 3000 mg/kg		
Acute inhalation toxicity	not determined		

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.



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Serious eye damage/irritation

Assessment/classification

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

Sensitisation to the respiratory tract

not determined

Skin sensitisation

Assessment/classification

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

Germ cell mutagenicity

Assessment/classification

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

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.

STOT-repeated exposure

not determined

Aspiration hazard

Assessment/classification

May be fatal if swallowed and enters airways.

Remark

May be fatal if swallowed and enters airways.

11.2 Information on other hazards

No data available

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		



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	Effective dose	Method,Evaluation	Source, Remark
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		

12.2 Persistence and degradability

Assessment/classification

This information is not available.

12.3 Bioaccumulative potential

Assessment/classification

This information is not available.

12.4 Mobility in soil

Assessment/classification

This information is not available.

12.5 Results of PBT and vPvB assessment

not applicable

12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste codes/waste designations according to EWC/AVV

Waste code product Waste name

120107 * mineral-based machining oils free of halogens (except emulsions and solutions)

Appropriate disposal / Product

Dispose of waste according to applicable legislation.

Appropriate disposal / Package

Dispose of according to official regulations.

Remark

Dispose according to legislation.



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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

not applicable

14.7 Maritime transport in bulk according to IMO instruments

not applicable

All transport carriers

not applicable

SECTION 15: Regulatory information

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

No data available

15.2 Chemical Safety Assessment

A chemical safety assessment was not carried out.

SECTION 16: Other information

Indication of changes

* Data changed compared with the previous version

Abbreviations and acronyms

Asp. Tox. 1: Aspiration toxicity, Category 1

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service

VOC: Volatile organic compounds

LC50: Lethal (fatal) Concentration 50%

LD50: Lethal (fatal) Dose 50%

PBT: persistent and bioaccumulative and toxic

vPvB: very persistent, very bioaccumulative

Aquatic Chronic 4: Long-term (chronic) aquatic hazard, Category 4

Key literature references and sources for data

Datasheets of the manufacturer

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Additional information

This safety data sheet complies with the requirements of Commission Regulation (EU) 2020/878 amending Regulation (EC) No 1907/2006.

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.

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

H304 May be fatal if swallowed and enters airways.

H413 May cause long lasting harmful effects to aquatic life.