

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

Jokisch Monos Miko S5P

Revision date: 21.10.2019

Product code: 169

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Jokisch Monos Miko S5P

Further trade names

Old product name: Jokisch Air-Cutting-Oil Ultra

1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

Cutting oil

1.3. Details of the supplier of the safety data sheet

Company name: Jokisch GmbH
Street: Industriestraße 5
Place: DE-33813 Oerlinghausen
Telephone: +49(0)5202/9734-0
e-mail: info@jokisch-fluids.de
e-mail (Contact person): MSDS@jokisch-fluids.de
Internet: www.jokisch-fluids.de

Telefax: +49(0)5202/9734-49

1.4. Emergency telephone number:

Giftnotruf Berlin: +49 (0) 30 / 30686 790

Further Information

Minimale Mengenschmierstoff für die Metallbearbeitung auf Basis von Fettsäureestern mit Additiven.

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard Statements:
Harmful to aquatic life with long lasting effects.

2.2. Label elements**Regulation (EC) No. 1272/2008****Hazard statements**

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P501 Dispose of contents/container to an appropriate recycling or disposal facility.
P273 Avoid release to the environment.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Hazardous components**

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	GHS Classification			
2425-77-6	2-hexyldecan-1-ol			2.5 - < 5 %
	219-370-1		01-2119487981-22	

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



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SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Seek medical attention if problems persist. No administration in cases of unconsciousness or cramps.

After inhalation

Move victim to fresh air. Put victim at rest and keep warm.

After contact with skin

Remove contaminated, saturated clothing immediately. @0403.B004101

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult an ophthalmologist.

After ingestion

Do NOT induce vomiting. In case of swallowing, keep the patient at rest and contact a doctor.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water fog. Extinguishing powder. Carbon dioxide. Foam.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated:

Carbon dioxide (CO₂).

Carbon monoxide

Nitrogen oxides (NO_x).

5.3. Advice 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

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers).

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Large quantities remove mechanically

Clean contaminated articles and floor according to the environmental legislation.

Clean with detergents. Avoid solvent cleaners.

6.4. Reference to other sections

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling



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Advice on safe handling

- Avoid oil mist
- Use only in well-ventilated areas.
- Direct contact with skins avoid.
- When using do not eat, drink or smoke.

Advice on protection against fire and explosion

- Prevent access by unauthorised personnel.

Further information on handling

- High slip hazard because of leaking or spilled product.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

- Keep the packing dry and well sealed to prevent contamination and absorption of humidity.
- Recommended storage temperature: 5-40 °C

Hints on joint storage

- Keep away from food, drink and animal feedingstuffs.
- Do not store with strong oxidizing agents.
- Maximum period of storage (time): 3 Years

7.3. Specific end use(s)

- Immiscible metal working fluid

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Protective and hygiene measures

- Use personal protection equipment as per Directive 89/686/EEC.

Eye/face protection

- Use glasses or face shield if there is a risk of splashing.

Hand protection

- Protect skin by using skin protective cream. Wear protective gloves if advisable under safety aspects.
- Wash hands before breaks and after work.
- Gloves of appropriate material (i.e. nitrilic rubber, specification: penetration time: level 6, >480 min., thickness 0,9-1 mm; CE-certified acc. EN 374 cat III)

Skin protection

- Chemical resistant safety shoes. Take off immediately all contaminated clothing.
- Thorough skin-cleansing after handling the product. Set out skin protection guidelines.

Respiratory protection

- If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	amber
Odour:	characteristic

Test method

pH-Value: not applicable

Changes in the physical state

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Initial boiling point and boiling range:	not determined
Pour point:	- 15 °C ASTM D 97-66
Flash point:	180 °C
Lower explosion limits:	not determined
Upper explosion limits:	not determined
Vapour pressure:	not determined
Density (at 20 °C):	0,98 g/cm ³ EN ISO 12185
Water solubility:	The study does not need to be conducted because the substance is known to be insoluble in water.
Viscosity / kinematic: (at 40 °C)	70 mm ² /s ASTM D 7042

SECTION 10: Stability and reactivity**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

Protect against: heat.

10.5. Incompatible materials

The following must be prevented: Oxidizing agents, strong. acid.

10.6. Hazardous decomposition products

Hazardous decomposition products: none

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity**

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
2425-77-6	2-hexyldecan-1-ol				
	oral	LD50 mg/kg	42000	Rat	

Additional information on tests

No risks worthy of mention. Practical experience.

The statement is derived from the properties of the single components.

The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

SECTION 12: Ecological information**12.1. Toxicity**

No special environmental protection measures are necessary.

12.4. Mobility in soil

in delivery condition: liquid

12.5. Results of PBT and vPvB assessment

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The components in this formulation do not meet the criteria for classification as PBT or vPvB.

12.6. Other adverse effects

Avoid release to the environment.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Waste disposal number of waste from residues/unused products**

120119 WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS; wastes from shaping and physical and mechanical surface treatment of metals and plastics; readily biodegradable machining oil; hazardous waste

SECTION 14: Transport information**Land transport (ADR/RID)****Other applicable information (land transport)**

Not restricted

Inland waterways transport (ADN)**Other applicable information (inland waterways transport)**

Not restricted

Marine transport (IMDG)**Other applicable information (marine transport)**

Not restricted

Air transport (ICAO-TI/IATA-DGR)**Other applicable information (air transport)**

Not restricted

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

Personal protection equipment: see section 8

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information****Additional information**

@1501.B150213

National regulatory information

Water contaminating class (D): 2 - clearly water contaminating

15.2. Chemical safety assessment

For this substance a chemical safety assessment is not required.

SECTION 16: Other information**Changes**

This data sheet contains changes from the previous version in section(s): 1,2,9.



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Relevant H and EUH statements (number and full text)

H412 Harmful to aquatic life with long lasting effects.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)