

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Jokisch Monos Etia 1.2

Revision: 24.11.2025

Product code: 117

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

### 1.1. Product identifier

Jokisch Monos Etia 1.2

REACH Registration Number: 01-2119472146-39-  
CAS No: 64741-65-7  
Index No: 649-275-00-4  
EC No: 918-167-1

### 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  
Germany  
Street: Industriestraße 5  
Place: D-33813 Oerlinghausen  
Telephone: +49(0)5202/9734-0  
E-mail: info@jokisch-fluids.de  
Contact person: Regulatory affairs  
E-mail: MSDS@jokisch-fluids.de  
Internet: www.jokisch-fluids.de

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

### 1.4. Emergency telephone number:

Emergency telephone number (24h) +1 872 5888271 (JRR) (en)

### Further Information

Reserved for industrial and professional use.

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Regulation (EC) No 1272/2008

Flam. Liq. 3; H226  
Asp. Tox. 1; H304

Full text of hazard statements: see SECTION 16.

### 2.2. Label elements

#### Regulation (EC) No 1272/2008

Signal word: Danger

Pictograms:



#### Hazard statements

H229 Pressurised container: May burst if heated.  
H304 May be fatal if swallowed and enters airways.  
H413 May cause long lasting harmful effects to aquatic life.

#### Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P243 Take action to prevent static discharges.

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P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331	Do NOT induce vomiting.
P273	Avoid release to the environment.
P405	Store locked up.
P501	Dispose of contents/container to an appropriate recycling or disposal facility.

**Special labelling of certain mixtures**

EUH066	Repeated exposure may cause skin dryness or cracking. 100 % by mass of the contents are flammable.
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**2.3. Other hazards**

Avoid release to the environment.  
The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.  
High slip hazard because of leaking or spilled product.

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

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
64741-65-7	Hydrocarbons, C11-C12, isoalkanes, <2% aromatics			100 %
	918-167-1		01-2119472146-39-	
	Flam. Liq. 3, Asp. Tox. 1; H226 H304			

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

**Specific Conc. Limits, M-factors and ATE**

CAS No	EC No	Chemical name	Quantity	
	Specific Conc. Limits, M-factors and ATE			
64741-65-7	918-167-1	Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	100 %	
	inhalation: LC50 = > 4,95 mg/l (vapours); dermal: LD50 = 2200-2500 mg/kg; oral: LD50 = 5000-15000 mg/kg			

**Further Information**

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

**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. First aider: Pay attention to self-protection!  
Symptoms can occur only after several hours.

**After inhalation**

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

**After contact with skin**

Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. Seek medical attention if problems persist.

**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.



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#### **4.2. Most important symptoms and effects, both acute and delayed**

IF INHALED: May cause drowsiness or dizziness.

Prolonged or repeated contact with skin or mucous membrane result in irritation symptoms such as redness, blistering, dermatitis, etc. Ingestion causes nausea, weakness and central nervous system effects.

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

Carbon monoxide

Nitrogen oxides (NO<sub>x</sub>).

#### **5.3. Advice for firefighters**

Do not inhale explosion and combustion gases. Wear a self-contained breathing apparatus and chemical protective clothing. Use water spray jet to protect personnel and to cool endangered containers.

The vapour of the product is heavier than air and may accumulate below ground level, in pits, channels and basements in higher concentration.

#### **Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

### **SECTION 6: Accidental release measures**

#### **6.1. Personal precautions, protective equipment and emergency procedures**

##### **General advice**

Wear personal protection equipment. Do not breathe gas/fumes/vapour/spray. Provide adequate ventilation.

Keep away from sources of ignition - No smoking.

##### **For non-emergency personnel**

Special danger of slipping by leaking/spilling product.

##### **For emergency responders**

Self-protection of the first aider Remove affected person from the danger area and lay down. Do not leave affected person unattended. Remove all sources of ignition. Use appropriate respiratory protection.

#### **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). Treat the recovered material as prescribed in the section on waste disposal.

Collect in closed containers for disposal.

#### **6.3. Methods and material for containment and cleaning up**

##### **For containment**

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

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.  
When using do not eat, drink or smoke.

#### Advice on protection against fire and explosion

This material can be ignited by heat, sparks, flames, or other sources of ignition (e.g., static electricity, pilot lights, mechanical/electrical equipment, and electronic devices such as cell phones, computers, calculators, and pagers which have not been certified as intrinsically safe).

#### Advice on general occupational hygiene

When using do not eat, drink or smoke. Keep away from sources of ignition - No smoking. Remove contaminated, saturated clothing immediately. Avoid contact with skin and eyes.

#### 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.  
Maximum period of storage (time): 3

##### Further information on storage conditions

Protect from sunlight. Store in a well-ventilated place.

#### 7.3. Specific end use(s)

Observe technical data sheet.  
Reserved for industrial and professional use.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Additional advice on limit values

To date, no national critical limit values exist.

#### 8.2. Exposure controls



##### Appropriate engineering controls

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

##### Individual protection measures, such as personal protective equipment

##### Eye/face protection

EN 166

##### Hand protection

Protect skin by using skin protective cream.  
Wash hands before breaks and after work.

##### Skin protection

Chemical resistant safety shoes. Take off immediately all contaminated clothing.  
Thorough skin-cleansing after handling the product. Set out skin protection guidelines. EN 14605



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#### Respiratory protection

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. EN 14387 Typ A

This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.

#### Environmental exposure controls

Do not allow to enter into surface water or drains.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	clear
Odour:	characteristic

	Test method
Boiling point or initial boiling point and boiling range:	187-213 °C ASTM D 1078
Lower explosion limits:	0,6 vol. %
Upper explosion limits:	6,0 vol. %
Flash point:	60 °C ASTM D 93
Auto-ignition temperature:	430 °C
pH-Value:	not applicable
Viscosity / kinematic: (at 20 °C)	1,85 mm <sup>2</sup> /s DIN 51562
Partition coefficient n-octanol/water:	6,7-7,2
Vapour pressure: (at 0 °C)	0,4 hPa
Vapour pressure: (at 20 °C)	10 hPa
Density (at 20 °C):	0,76 g/cm <sup>3</sup> ASTM D 445

### 9.2. Other information

#### Other safety characteristics

Pour point:	< -30 °C ASTM D 97-66
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## 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: Carbon monoxide, Carbon dioxide (CO<sub>2</sub>).

## SECTION 11: Toxicological information

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

#### Toxicokinetics, metabolism and distribution

There are no data available on the preparation/mixture itself.

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Data apply to the main component.

**Acute toxicity**

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

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
64741-65-7	Hydrocarbons, C11-C12, isoalkanes, <2% aromatics				
	oral	LD50 5000-15000 mg/kg	Rat	ECHA	
	dermal	LD50 2200-2500 mg/kg	Rabbit	ECHA	
	inhalation (4 h) vapour	LC50 > 4,95 mg/l	Rat	ECHA	OECD Guideline 403

**Irritation and corrosivity**

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

Repeated exposure may cause skin dryness or cracking.

**Sensitising effects**

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

**Carcinogenic/mutagenic/toxic effects for reproduction**

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

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

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

**STOT-single exposure**

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

**STOT-repeated exposure**

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

**Aspiration hazard**

May be fatal if swallowed and enters airways.

**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).

**11.2. Information on other hazards****Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

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

May cause long lasting harmful effects to aquatic life.

The statement is derived from the properties of the components.

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
64741-65-7	Hydrocarbons, C11-C12, isoalkanes, <2% aromatics					
	Acute fish toxicity	LC50 >1001 mg/l	96 h	Oncorhynchus mykiss	ECHA	OECD Guideline 203
	Acute algae toxicity	ErC50 > 1000 mg/l	72 h	Pseudokirchneriella subcapitata	ECHA	OECD Guideline 201
	Acute crustacea toxicity	EC50 > 1000 mg/l	48 h	Daphnia magna	ECHA	OECD Guideline 202
	Crustacea toxicity	NOEC > 1 mg/l	21 d	Daphnia magna	ECHA	OECD Guideline 211

**12.2. Persistence and degradability**

Moderately/partially biodegradable.

CAS No	Chemical name				
	Method	Value	d	Source	
	Evaluation				
64741-65-7	Hydrocarbons, C11-C12, isoalkanes, <2% aromatics				
	OECD Guideline 301 F	87 %	28		
	Readily biodegradable (according to OECD criteria).				

**12.3. Bioaccumulative potential****Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
64741-65-7	Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	6,7 - 7,2

**12.4. Mobility in soil**

in delivery condition: liquid

**12.5. Results of PBT and vPvB assessment**

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

**12.6. Endocrine disrupting properties**

This substance does not have endocrine disrupting properties with respect to non-target organisms.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations**

Do not allow to enter into surface water or drains. Dispose of contents/container to an appropriate recycling or disposal facility. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

Non-contaminated packages may be recycled.

**Contaminated packaging**

Non-contaminated packages may be recycled.

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

<b>14.1. UN number or ID number:</b>	UN 1268
<b>14.2. UN proper shipping name:</b>	Erdöldestillate, N.A.G. (Naphtha (Erdöl), schweres Alkylatbenzin)
<b>14.3. Transport hazard class(es):</b>	3
<b>14.4. Packing group:</b>	III

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Hazard label: 3



Classification code: F1  
Hazard No: 30

#### Inland waterways transport (ADN)

**14.1. UN number or ID number:** UN 1268  
**14.2. UN proper shipping name:** Petroleum distillates, n.o.s.  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** III  
Hazard label: 3 (F)



#### Other applicable information (inland waterways transport)

CDNI Abfallübereinkommen: NST 8963 Lösungsmittel

#### Marine transport (IMDG)

**14.1. UN number or ID number:** UN 1268  
**14.2. UN proper shipping name:** Petroleum distillates, n.o.s.  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** III

#### Air transport (ICAO-TI/IATA-DGR)

**14.1. UN number or ID number:** UN 1268  
**14.2. UN proper shipping name:** Petroleum distillates, n.o.s.  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** III

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

#### 14.6. Special precautions for user

Personal protection equipment: see section 8

#### 14.7. Maritime transport in bulk according to IMO instruments

Anhang 1

### SECTION 15: Regulatory information

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

##### EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 28, Entry 40

Directive 2010/75/EU on industrial emissions: 100 %

Directive 2004/42/EC on VOC in paints and varnishes: 100 %

Information according to Directive 2012/18/EU (SEVESO III): P5c FLAMMABLE LIQUIDS

##### National regulatory information



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Employment restrictions:	Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.
Water hazard class (D):	1 - slightly hazardous to water

#### **15.2. Chemical safety assessment**

For the following substances of this mixture a chemical safety assessment has been carried out:  
Hydrocarbons, C11-C12, isoalkanes, <2% aromatics

### **SECTION 16: Other information**

#### **Changes**

This data sheet contains changes from the previous version in section(s): 1,2,4,5,6,7,8,9,10,11,12,13,15,16.  
AICS (Australien), DSL (Kanada), IECSC (China), REACH (Europäische Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (Neuseeland), PICCS (Philippinen), TSCA (USA)

#### **Abbreviations and acronyms**

Aerosol 3: Aerosols, hazard category 3  
Flam. Liq. 3: Flammable liquids, hazard category 3  
Asp. Tox. 1: Aspiration hazard, hazard category 1  
Aquatic Chronic 4: Hazardous to the aquatic environment, long-term hazard category: Chronic 4  
CLP: Classification, labelling and Packaging  
REACH: Registration, Evaluation and Authorization of Chemicals  
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals  
UN: United Nations  
CAS: Chemical Abstracts Service  
DNEL: Derived No Effect Level  
DMEL: Derived Minimal Effect Level  
PNEC: Predicted No Effect Concentration  
ATE: Acute toxicity estimate  
LC50: Lethal concentration, 50%  
LD50: Lethal dose, 50%  
LL50: Lethal loading, 50%  
EL50: Effect loading, 50%  
EC50: Effective Concentration 50%  
ErC50: Effective Concentration 50%, growth rate  
NOEC: No Observed Effect Concentration  
BCF: Bio-concentration factor  
PBT: persistent, bioaccumulative, toxic  
vPvB: very persistent, very bioaccumulative  
ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road )  
RID: Regulations concerning the international carriage of dangerous goods by rail  
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)  
IMDG: International Maritime Code for Dangerous Goods  
EmS: Emergency Schedules  
MFAG: Medical First Aid Guide  
IATA: International Air Transport Association  
ICAO: International Civil Aviation Organization  
MARPOL: International Convention for the Prevention of Marine Pollution from Ships  
IBC: Intermediate Bulk Container  
VOC: Volatile Organic Compounds  
SVHC: Substance of Very High Concern

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**Relevant H and EUH statements (number and full text)**

H226	Flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H304	May be fatal if swallowed and enters airways.
H413	May cause long lasting harmful effects to aquatic life.
EUH066	Repeated exposure may cause skin dryness or cracking.

**Further Information**

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.

Abkürzungen und Akronyme siehe Verzeichnis unter <http://abk.esdscom.eu>