



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## Jokisch Migma Evio KSR

Print date: 24.01.2017

Product code: 161

Page 1 of 7

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

#### 1.1. Product identifier

Jokisch Migma Evio KSR

#### Further trade names

Old product name: Jokisch SKS

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

##### Use of the substance/mixture

Watersoluble Metalworkingfluid

#### 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	Telefax: +49(0)5202/9734-49
e-mail:	info@jokisch-fluids.de	
Contact person:	Herr Sengenhoff	
e-mail:	MSDS@jokisch-fluids.de	
Internet:	www.jokisch-fluids.de	

#### 1.4. Emergency telephone number:

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

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Hazard categories:

Skin corrosion/irritation: Skin Corr. 1A

Serious eye damage/eye irritation: Eye Dam. 1

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

Causes severe skin burns and eye damage.

Harmful to aquatic life with long lasting effects.

#### 2.2. Label elements

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

##### Hazard components for labelling

caustic potash, potassium hydroxide, Gemisch, neutralisiert

3,3'-METHYLENBIS[5-METHYLOXAZOLIDIN]

Signal word: Danger

Pictograms:



##### Hazard statements

H314 Causes severe skin burns and eye damage.

H412 Harmful to aquatic life with long lasting effects.

##### Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## Jokisch Migma Evio KSR

Print date: 24.01.2017

Product code: 161

Page 2 of 7

P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor.
P321	Specific treatment (see information on this label).

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Hazardous components

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
1310-58-3	caustic potash, potassium hydroxide, Gemisch, neutralisiert			25 - 50 %
	215-181-3	019-002-00-8		
	Acute Tox. 4, Skin Corr. 1A; H302 H314			
025322-69-4	Propan-1,2-diol, propoxyliert			1 - 2,5 %
	500-039-8			
	Acute Tox. 4; H302			
66204-44-2	3,3'-METHYLENBIS[5-METHYLOXAZOLIDIN]			1 - 2,5 %
	266-235-8			
	Acute Tox. 4, Acute Tox. 4, Skin Corr. 1C; H302 H332 H314			
31075-24-8	1,2-Ethanediamin, N',N',N',N',-tetramethyl-,polymer mit 1,1'-oxybis(2-chloroethan)			< 0,5 %
	608-578-1			
	Acute Tox. 4, Acute Tox. 4, Aquatic Acute 1, Aquatic Chronic 1; H302 H332 H400 H410			

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.

##### After inhalation

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

##### After contact with skin

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap.

##### 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



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Jokisch Migma Evio KSR

Print date: 24.01.2017

Product code: 161

Page 3 of 7

**Suitable extinguishing media**Water fog. Foam. Dry extinguishing powder. Carbon dioxide (CO<sub>2</sub>).**Unsuitable extinguishing media**

High power water jet.

**5.2. Special hazards arising from the substance or mixture**

Can be released in case of fire:

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

Carbon monoxide.

Carbon dioxide (CO<sub>2</sub>).**5.3. Advice for firefighters**

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

**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**

Contain and control the leaks or spills with noncombustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal

Do not empty into drains or the aquatic environment.

**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 objects and areas thoroughly observing environmental regulations. Clean with detergents.

Avoid solvent cleaners.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

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**

When using do not eat, drink or smoke.

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 dampness.

Recommended storage temperature: 5-40 °C

Maximum period of storage (time): 1 Jahr

**Advice on storage compatibility**

Keep away from food, drink and animal feedingstuffs.

Do not store with strong oxidizing agents.

**Further information on storage conditions**

All regulations relating to storage premises apply to workshops where the product is handled.

Maximum period of storage (time):

**SECTION 8: Exposure controls/personal protection**



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## Jokisch Migma Evio KSR

Print date: 24.01.2017

Product code: 161

Page 4 of 7

### 8.1. Control parameters

#### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
1310-58-3	Potassium hydroxide	-	-	-	TWA (8 h)	WEL
		-	2		STEL (15 min)	WEL

### 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 at the end of 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 suction or ventilation measures are not possible or are insufficient, protective breathing apparatus must be worn.

## SECTION 9: Physical and chemical properties

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

Physical state:	liquid
Colour:	yellow
Odour:	characteristic

#### Test method

pH-Value (at 20 °C): in aqueous solution 5% ; 9,3 DIN 51369

#### Changes in the physical state

Initial boiling point and boiling range: 100 °C

Flash point: not applicable

Ignition temperature: not determined

Vapour pressure: not determined

Density (at 20 °C): 1,10 g/cm<sup>3</sup> DIN 51757

Viscosity / kinematic:  
(at 20 °C) 12 mm<sup>2</sup>/s ASTM D 7042

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

--

### 10.2. Chemical stability



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## Jokisch Migma Evio KSR

Print date: 24.01.2017

Product code: 161

Page 5 of 7

Stable

### 10.3. Possibility of hazardous reactions

Keep away from: Strong acid, Oxidizing agents, strong.

### 10.4. Conditions to avoid

Protect against: heat.

### 10.5. Incompatible materials

---

### 10.6. Hazardous decomposition products

Hazardous decomposition products: Carbon dioxide. Carbon monoxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

CAS No	Chemical name	Exposure route	Dose	Species	Source
1310-58-3	caustic potash, potassium hydroxide, Gemisch, neutralisiert	oral	LD50 273 mg/kg	Rat	RTECS
025322-69-4	Propan-1,2-diol, propoxyliert	oral	LD50 300 mg/kg		
		dermal	LD50 >10000 mg/kg		
66204-44-2	3,3'-METHYLENBIS[5-METHYLOXAZOLIDIN]	oral	ATE 500 mg/kg		
		inhalative vapour	ATE 11 mg/l		
		inhalative aerosol	ATE 1,5 mg/l		
31075-24-8	1,2-Ethanediamin, N',N',N',N',-tetramethyl-,polymer mit 1,1'-oxybis(2-chloroethan)	oral	LD50 1951 mg/kg	rat	
		inhalative vapour	ATE 11 mg/l		
		inhalative aerosol	ATE 1,5 mg/l		

#### Additional information on tests

No risks worthy of mention. Practical experience.

The statement is derived from the properties of the components.

## SECTION 12: Ecological information

### 12.1. Toxicity

CAS No	Chemical name	Aquatic toxicity	Dose	[h]   [d]	Species	Source
1310-58-3	caustic potash, potassium hydroxide, Gemisch, neutralisiert	Acute fish toxicity	LC50 80 mg/l	96 h	Gambusia affinis	IUCLID
025322-69-4	Propan-1,2-diol, propoxyliert	Acute fish toxicity	LC50 >100 mg/l	96 h		

### 12.2. Persistence and degradability

Additional information: none/none

### 12.3. Bioaccumulative potential



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## Jokisch Migma Evio KSR

Print date: 24.01.2017

Product code: 161

Page 6 of 7

Can be concentrated in organisms.

### 12.4. Mobility in soil

in delivery condition: liquid

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Advice on disposal

Completely emptied packings can be re-cycled. Waste disposal according to official state regulations.

## SECTION 14: Transport information

### Land transport (ADR/RID)

14.1. UN number: UN n.a.

14.2. UN proper shipping name: n.a.

14.3. Transport hazard class(es): n.a.

14.4. Packing group: n.a.

Other applicable information (land transport)

n.a.

### Inland waterways transport (ADN)

14.1. UN number: UN n.a.

14.2. UN proper shipping name: n.a.

14.3. Transport hazard class(es): n.a.

14.4. Packing group: n.a.

Other applicable information (inland waterways transport)

n.a.

### Marine transport (IMDG)

14.1. UN number: UN n.a.

14.2. UN proper shipping name: n.a.

14.3. Transport hazard class(es): n.a.

14.4. Packing group: n.a.

Other applicable information (marine transport)

n.a.

### Air transport (ICAO)

14.1. UN number: UN n.a.

14.2. UN proper shipping name: n.a.

14.3. Transport hazard class(es): n.a.

14.4. Packing group: n.a.

Other applicable information (air transport)

n.a.

### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

Danger releasing substance: n.a.

### 14.6. Special precautions for user

n.a.

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

n.a.



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Jokisch Migma Evio KSR

Print date: 24.01.2017

Product code: 161

Page 7 of 7

#### SECTION 15: Regulatory information

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

###### EU regulatory information

2010/75/EU (VOC): 0

2004/42/EC (VOC): 0

###### National regulatory information

Water contaminating class (D): 2 - water contaminating

#### SECTION 16: Other information

##### Changes

This data sheet contains changes from the previous version in section(s): 1,2,3,9,15.

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

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
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.)*