



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## Jokisch Migma Tano KSR

Print date: 24.01.2017

Product code: 20

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

#### 1.1. Product identifier

Jokisch Migma Tano KSR

#### Further trade names

Old product name: Jokisch Universal KSS

#### 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 Irrit. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Hazard Statements:

Causes skin irritation.

Causes serious eye irritation.

There is no requirement for the product to be specially labelled according to EC directives or the corresponding national laws.

#### 2.2. Label elements

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

Signal word: Warning

Pictograms:



##### Hazard statements

H315	Causes skin irritation.
H319	Causes serious eye irritation.

##### Precautionary statements

P264	Wash hands thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
P321	Specific treatment (see information on this label).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.



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P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

### Special labelling of certain mixtures

EUH208 Contains 1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one. May produce an allergic reaction.

## 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]			
64742-56-9	Baseoil - unspecified, Distillates (petroleum), solvent-dewaxed light paraffinic	50 - < 100 %		
	265-159-2		01-2119480132-48	
	Asp. Tox. 1; H304			
68608-26-4	Natriumsulfonat	2.5 - < 5 %		
	Eye Irrit. 2; H319			
68511-37-5	Poly(oxy-1,2-ethanediyl),alpha-hydro-omega-hydroxy-,mono-C12-14-alkyl ethers, phosphates	2.5 - < 5 %		
	Skin Corr. 1B, Aquatic Acute 1 (M-Factor = 1); H314 H400			
122-99-6	2-phenoxyethanol	1 - < 2.5 %		
	204-589-7	603-098-00-9		
	Acute Tox. 4, Eye Irrit. 2; H302 H319			
112-34-5	2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether	1 - < 2.5 %		
	203-961-6	603-096-00-8		
	Eye Irrit. 2; H319			
3811-73-2	pyridine-2-thiol 1-oxide, sodium salt	0.1 - < 1 %		
	223-296-5			
	Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, Aquatic Acute 1; H302 H332 H315 H319 H400			
2634-33-5	1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one	< 0.1 %		
	220-120-9	613-088-00-6		
	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1, Aquatic Acute 1; H302 H315 H318 H317 H400			

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

#### Further Information

According to EC directives or the corresponding national regulations there is no labelling obligation for this product.

## 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.



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**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****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.



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#### 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

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

Maximum period of storage (time):

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
112-34-5	2-(2-Butoxyethoxy)ethanol	10	67.5		TWA (8 h)	WEL
		15	101.2		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:	dark brown
Odour:	characteristic

pH-Value (at 20 °C):

##### Changes in the physical state

##### Test method

9,2 DIN 51369



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Flash point:	not applicable
Ignition temperature:	not determined
Vapour pressure:	not determined
Density (at 20 °C):	0,883 g/cm <sup>3</sup> EN ISO 12185
Viscosity / kinematic: (at 20 °C)	66 mm <sup>2</sup> /s ASTM D 7042

### SECTION 10: Stability and reactivity

#### 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/none

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity

CAS No	Chemical name	Exposure route	Dose	Species	Source
64742-56-9	Baseoil - unspecified, Distillates (petroleum), solvent-dewaxed light paraffinic	oral	LD50 > 5000 mg/kg	RAT	
		dermal	LD50 >5000 mg/kg	RABBIT	
		inhalative (4 h) aerosol	LC50 >5 mg/l		
68511-37-5	Poly(oxy-1,2-ethanediyl),alpha-hydro-omega-hydroxy-,mono-C12-14-alkyl ethers, phosphates	oral	LD50 >2000 mg/kg	Ratte	
122-99-6	2-phenoxyethanol	oral	LD50 1850 mg/kg	Rat	
		dermal	LD50 >2000 mg/kg	Rabbit	
112-34-5	2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether	oral	LD50 5660 mg/kg	Rat	
		dermal	LD50 4120 mg/kg	Rabbit	
3811-73-2	pyridine-2-thiol 1-oxide, sodium salt	oral	LD50 500 mg/kg	Rat.	
		dermal	LD50 4500 mg/kg		
		inhalative vapour	ATE 11 mg/l		
		inhalative (4 h) aerosol	LC50 2,7 mg/l		
2634-33-5	1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one	oral	LD50 1020 mg/kg	RAT	

#### Additional information on tests

No risks worthy of mention. Practical experience.

The statement is derived from the properties of the components.

The classification was undertaken in accordance with the calculation method governed by the Preparations



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Directive (1999/45/EC).

### SECTION 12: Ecological information

#### 12.1. Toxicity

CAS No	Chemical name				
	Aquatic toxicity	Dose	[h]   [d]	Species	Source
68511-37-5	Poly(oxy-1,2-ethanediyl),alpha-hydro-omega-hydroxy-,mono-C12-14-alkyl ethers, phosphates				
	Acute fish toxicity	LC50	5,7 mg/l	96 h	Goldorfe
	Acute crustacea toxicity	EC50	0,33 mg/l	48 h	Daphnia magna
122-99-6	2-phenoxyethanol				
	Acute fish toxicity	LC50	220 - 460 mg/l	96 h	Leuciscus idus
	Acute algae toxicity	ErC50	> 500 mg/l	72 h	Scenedesmus sp.
	Acute crustacea toxicity	EC50	> 500 mg/l	48 h	Daphnia magna
112-34-5	2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether				
	Acute algae toxicity	ErC50	> 100 mg/l		Scenedesmus sp.
	Acute crustacea toxicity	EC50	> 100 mg/l	48 h	Daphnia magna

#### 12.2. Persistence and degradability

Additional information: none/none

#### 12.3. Bioaccumulative potential

Can be concentrated in organisms.

#### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
122-99-6	2-phenoxyethanol	1,16
112-34-5	2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether	0,56 (25°C)

#### 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.

##### Waste disposal number of waste from residues/unused products

120109 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; machining emulsions and solutions free of halogens  
Classified as hazardous waste.

### SECTION 14: Transport information

#### Land transport (ADR/RID)

##### Other applicable information (land transport)

Not a hazardous material with respect to these transportation regulations.

#### Inland waterways transport (ADN)

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

Not a hazardous material with respect to these transportation regulations.

#### Marine transport (IMDG)



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**Other applicable information (marine transport)**

Not a hazardous material with respect to these transportation regulations.

**Air transport (ICAO)****Other applicable information (air transport)**

Not a hazardous material with respect to these transportation regulations.

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

According to EC directives or the corresponding national regulations there is no labelling obligation for this product.

**National regulatory information**

Employment restrictions:

Observe restrictions to employment for juvenils 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 contaminating class (D):

1 - slightly water contaminating

**SECTION 16: Other information****Changes**

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

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

H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
EUH208	Contains 1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one. May produce an allergic reaction.

**Further Information**

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

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