



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Jokisch Monos Atos M4G

Print date: 19.08.2016

Product code: 41

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

##### 1.1. Product identifier

Jokisch Monos Atos M4G

##### **Further trade names**

Alte Bezeichnung: Jokisch Ultra AOC 722

##### 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	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**

This mixture is not classified as hazardous according to Regulation (EC) No. 1272/2008.

##### 2.2. Label elements

##### **Additional advice on labelling**

No marking required according to 1999/45/EC, appendix V B, No. 9.

#### SECTION 3: Composition/information on ingredients

##### 3.2. Mixtures

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### Hazardous components

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
68425-15-0	Polysulfides, di-tert-dodecyl			15 - < 20 %
	270-335-7			
	Aquatic Chronic 4; H413			
4259-15-8	2-Ethylhexyl-zink-dithiophosphat			1 - < 2.5 %
	224-235-5		01-2119493635-27	
	Aquatic Chronic 2; H411			
93820-57-6	Benzolsulfonsäuren, di-C10-18-alkyl Derivate, Calcium-Salze			0.1 - < 1 %
	298-637-4			
	Skin Irrit. 2, Aquatic Chronic 3; H315 H412			
64742-53-6	Baseoil - unspecified, Distillates (petroleum), hydrotreated light naphthenic			0.1 - < 1 %
	265-156-6		01-2119480375-34	
	Asp. Tox. 1; H304			

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.

#### After inhalation

In case of inhalation of decomposition products, take the affected person into the fresh air and sit him quietly.

#### 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

Rinse immediately carefully and thoroughly with eye-bath or water.

#### After ingestion

after ingestion: Do not induce vomiting. Medical treatment necessary.

### 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. Carbon dioxide (CO<sub>2</sub>). Extinguishing powder.

#### Unsuitable extinguishing media

High power water jet.

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

Special exposure hazards arising from the substance itself, combustion products, resulting gases:  
Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Sulfur oxides. Phosphorus oxides. Nitrogen oxides (NO<sub>x</sub>).

### 5.3. Advice for firefighters

Use appropriate respiratory protection.



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### 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 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). Clean contaminated objects and areas thoroughly observing environmental regulations.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### **Advice on safe handling**

Use only in well-ventilated areas.

##### **Advice on protection against fire and explosion**

Prevent access by unauthorised personnel.

##### **Further information on handling**

Keep the packing dry and well sealed to prevent contamination and absorption of dampness.

#### 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

##### **Advice on storage compatibility**

Keep away from food, drink and animal feedingstuffs.  
Do not store together with:  
Oxidizing agents.

##### **Further information on storage conditions**

Maximum period of storage (time): 3 Jahre

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### **DNEL/DMEL values**

CAS No	Substance	Exposure route	Effect	Value
68425-15-0	Polysulfides, di-tert-dodecyl			
Worker , long-term		dermal	systemic	33,3 mg/kg bw/day
Worker , long-term		inhalation	systemic	23,5 mg/m <sup>3</sup>
Consumer , long-term		oral	systemic	1,66 mg/kg bw/day
Consumer , long-term		dermal	systemic	16,6 mg/kg bw/day
Consumer , long-term		inhalation	systemic	5,8 mg/m <sup>3</sup>

#### 8.2. Exposure controls

##### **Protective and hygiene measures**

Wash contaminated clothing prior to re-use.



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### Eye/face protection

Tightly sealed safety glasses. Face protection shield.

### Hand protection

Tested protective gloves are to be worn:

Suitable material: NBR (Nitrile rubber). penetration time (maximum wearing period): 480 Minuten

Set out skin protection guidelines.

### Skin protection

When handling chemical substances, chemical protective gloves must be worn with CE label including a four digit code. Wash contaminated clothing prior to re-use. Thorough skin-cleansing after handling the product.

### Respiratory protection

Respiratory protection required in case of: insufficient ventilation.

## SECTION 9: Physical and chemical properties

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

Physical state:	Flüssig
Colour:	gelb-braun
Odour:	typisch

pH-Value (at 20 °C):

n.a

#### Test method

#### Changes in the physical state

Initial boiling point and boiling range:

not determined

Flash point:

165 °C DIN EN 57

Lower explosion limits:

0,6 vol. %

Upper explosion limits:

6,5 vol. %

Vapour pressure:  
(at 20 °C)

&lt;0,01 hPa

Density (at 20 °C):

0,90 g/cm<sup>3</sup> ASTM D 1298

Water solubility:

n.s

Viscosity / kinematic:  
(at 20 °C)16,2 mm<sup>2</sup>/s ASTM D 445

## SECTION 10: Stability and reactivity

### 10.4. Conditions to avoid

Refer to chapter 7 No further action is necessary.

### 10.5. Incompatible materials

Materials to avoid: Oxidizing agents, strong.

### 10.6. Hazardous decomposition products

Hazardous decomposition products: none/none

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

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### Acute toxicity

CAS No	Chemical name			
	Exposure route	Dose	Species	Source
68425-15-0	Polysulfides, di-tert-dodecyl			
	oral	LD50 19559 mg/kg	RAT	
	dermal	LD50 >2000 mg/kg	RABBIT	
4259-15-8	2-Ethylhexyl-zink-dithiophosphat			
	oral	LD50 4358 mg/kg	Ratte	
64742-53-6	Baseoil - unspecified, Distillates (petroleum), hydrotreated light naphthenic			
	oral	LD50 >5000 mg/kg	Rabbit	
	dermal	LD50 >5000 mg/kg	Rabbit	
	inhalative (4 h) vapour	LC50 >5 mg/l	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 Directive (1999/45/EC).

## SECTION 12: Ecological information

### 12.1. Toxicity

No data available

CAS No	Chemical name				
	Aquatic toxicity	Dose	[h]   [d]	Species	Source
68425-15-0	Polysulfides, di-tert-dodecyl				
	Acute fish toxicity	LC50 >100 mg/l	96 h	Danio rerio	

### 12.2. Persistence and degradability

Product is partially biodegradable. Significant residues remain.

### 12.3. Bioaccumulative potential

In small concentrations, product can be transformed by various micro-organisms into:

### 12.4. Mobility in soil

State of matter: liquid:

### Further information

Leakage into the environment must be prevented.

## 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  
Classified as hazardous waste.

## SECTION 14: Transport information

### Land transport (ADR/RID)



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

Not restricted

**Other applicable information**

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**

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)**

H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

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