

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

Jokisch Monos Atos M3G

Revision date: 25.01.2017

Product code: 81

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

Jokisch Monos Atos M3G

Further trade names

Old product name: Jokisch HDS 400

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

Immiscible metal working fluid

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:

Reproductive toxicity: Lact.

Hazardous to the aquatic environment: Aquatic Acute 1

Hazardous to the aquatic environment: Aquatic Chronic 1

Hazard Statements:

May cause harm to breast-fed children.

Very toxic to aquatic life with long lasting effects.

2.2. Label elements**Regulation (EC) No. 1272/2008****Hazard components for labelling**

alkanes, C14-17, chloro; chlorinated paraffins, C14-17

Signal word: Warning**Pictograms:****Hazard statements**

H362	May cause harm to breast-fed children.
H410	Very toxic to aquatic life with long lasting effects.

Precautionary statements

P201	Obtain special instructions before use.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P263	Avoid contact during pregnancy/while nursing.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.

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P273 Avoid release to the environment.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P391 Collect spillage.
P501 Dispose of contents/container to hazardous waste.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Chemical characterization**

Immiscible metal working fluid

Other substances with occupational exposure limits:
No known substance in this category present.

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
85535-85-9	alkanes, C14-17, chloro; chlorinated paraffins, C14-17			35 - < 40 %
	287-477-0	602-095-00-X		
	Lact., Aquatic Acute 1, Aquatic Chronic 1; H362 H400 H410 EUH066			
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.

Further Information

This product contains severely refined and/or solvent hydrotreated mineral oils. According to IP 346 method, the PAH content is <3% (note L), therefore they are not classified according to directive 94/69/EC (21st-22nd ATP to directive 67/548/EC)

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

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

After contact with skin

After contact with skin, wash immediately with: Water. Change contaminated clothing. Remove contaminated, saturated clothing immediately. 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. 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

If swallowed, immediately drink: Water. Do NOT induce vomiting. In case of swallowing, keep the patient at rest and contact a doctor.



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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

Co-ordinate fire-fighting measures to the fire surroundings. Water fog. Extinguishing powder. Carbon dioxide. Foam.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

@0902.B009465 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. In case of fire: Wear self-contained breathing apparatus.

Additional information

Contaminated fire-fighting water must be collected separately. Do not allow to enter into surface water or drains.

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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 container tightly closed. Keep the packing dry and well sealed to prevent contamination and absorption

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of humidity.

Recommended storage temperature: 5-40 °C

Advice on storage compatibility

Keep away from food, drink and animal feedingstuffs.

Do not store with strong oxidizing agents.

Maximum period of storage (time): 3 Jahr

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****8.2. Exposure controls****Protective and hygiene measures**

Change contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

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:	brown
Odour:	characteristic

Test method

pH-Value:	not applicable
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Changes in the physical state

Initial boiling point and boiling range:	not determined
Flash point:	200 °C DIN EN 57
Lower explosion limits:	not determined
Upper explosion limits:	not determined
Vapour pressure:	not determined
Density (at 20 °C):	1,02 g/cm ³ ASTM D 1298
Viscosity / kinematic: (at 40 °C)	95 mm ² /s ASTM 7042

SECTION 10: Stability and reactivity**10.4. Conditions to avoid**

Protect against: heat.

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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
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

The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC). 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**12.4. Mobility in soil**

in delivery condition: liquid

Further information

Do not allow to enter into surface water or drains. @0602.B060026 The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Advice on disposal**

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

Waste disposal number of waste from residues/unused products

120106 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; mineral-based machining oils containing halogens (except emulsions and solutions); hazardous waste

SECTION 14: Transport information**Land transport (ADR/RID)****14.1. UN number:**

UN3082

14.2. UN proper shipping name:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

14.3. Transport hazard class(es):

9

14.4. Packing group:

III



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Hazard label:

9



Classification code:

M6

Special Provisions:

274 335 601

Limited quantity:

5 L

Transport category:

3

Hazard No:

90

Other applicable information (land transport)

E1

Inland waterways transport (ADN)

14.1. UN number:

UN3082

14.2. UN proper shipping name:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

14.3. Transport hazard class(es):

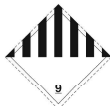
9

14.4. Packing group:

III

Hazard label:

9



Classification code:

M6

Special Provisions:

274 335 601

Limited quantity:

5 L

Other applicable information (inland waterways transport)

E1

Marine transport (IMDG)

14.1. UN number:

UN3082

14.2. UN proper shipping name:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

14.3. Transport hazard class(es):

9

14.4. Packing group:

III

Hazard label:

9



Special Provisions:

274, 335

Limited quantity:

5 L

EmS:

F-A, S-F

Other applicable information (marine transport)

E1

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number:

UN3082

14.2. UN proper shipping name:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

14.3. Transport hazard class(es):

9

14.4. Packing group:

III

Hazard label:

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Special Provisions:

Limited quantity Passenger:

A97 A158

30 kg G

IATA-packing instructions - Passenger:

964

IATA-max. quantity - Passenger:

450 L

IATA-packing instructions - Cargo:

964

IATA-max. quantity - Cargo:

450 L

Other applicable information (air transport)

E1

: Y964

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: yes

**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 28: Baseoil - unspecified, Distillates (petroleum), hydrotreated light naphthenic

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):

2 - water contaminating

SECTION 16: Other information**Changes**

This data sheet contains changes from the previous version in section(s): 1,14.

Relevant H and EUH statements (number and full text)

H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H362	May cause harm to breast-fed children.
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.
EUH066	Repeated exposure may cause skin dryness or cracking.

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