



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## Jokisch Monos Atos C2P

Revision date: 01.03.2019

Product code: 54

Page 1 of 9

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

#### 1.1. Product identifier

Jokisch Monos Atos C2P

#### **Further trade names**

Old product name: Jokisch Automatenöl X32

Old product name: Jokisch Monos Atos M32

#### 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	
e-mail (Contact person):	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 in accordance with Regulation (EC) No. 1272/2008.

Identification is not obligatory. Please observe the information on the safety data sheet at all times.

#### 2.2. Label elements

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Jokisch Monos Atos C2P**

Revision date: 01.03.2019

Product code: 54

Page 2 of 9

**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	30 - < 35 %		
	265-159-2		01-2119480132-48	
	Asp. Tox. 1; H304			
64742-65-0	Hochraffinierte Mineralöle	30 - < 35 %		
	Geschwefelte pflanzliche Fettsäureester, Fettsäuren und Kohlenwasserstoffe Polymer			1 - < 2.5 %
	Dialkylpolysulfid Polymer			1 - < 2.5 %
78-42-2	tris(2-ethylhexyl) phosphate	0.1 - < 1 %		
	201-116-6		01-2119517575-36	
	Triglycerid			0.1 - < 1 %
68424-27-1	Fatty acids, C16 and C18-unsatd., triesters with trimethylolpropane	0.1 - < 1 %		
	270-287-7		01-2119531533-46	
64742-53-6	Baseoil - unspecified, Distillates (petroleum), hydrotreated light naphthenic	< 0.1 %		
	265-156-6		01-2119480375-34	
	Asp. Tox. 1; H304			
64742-65-0	Baseoil - unspecified, Distillates (petroleum), solvent-dewaxed heavy paraffinic	< 0.1 %		
	265-169-7		01-2119471299-27	
64742-55-8	Destillate (Erdöl) mit Wasserstoff behandelte leichte paraffinhaltige	< 0.1 %		
	265-158-7		01-2119487077-29	

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

**Further Information**

The highly refined mineral oil contains &lt;3% (w/w) DMSOextract, according to IP346.

**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.



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Jokisch Monos Atos C2P

Revision date: 01.03.2019

Product code: 54

Page 3 of 9

**After contact with skin**

Remove contaminated, saturated clothing immediately. 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. 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**

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

## 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. 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).

Large quantities remove mechanically

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****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.



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Jokisch Monos Atos C2P

Revision date: 01.03.2019

Product code: 54

Page 4 of 9

#### 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

##### 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 Years

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Additional advice on limit values

Does not contain substances above concentration limits fixing an occupational exposure limit.

#### 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 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:	light brown
Odour:	characteristic

pH-Value:	not applicable
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##### Changes in the physical state

Initial boiling point and boiling range:	not determined
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Lower explosion limits:	not determined
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Upper explosion limits:	not determined
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Vapour pressure:	not determined
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Density (at 20 °C):	0,87 g/cm <sup>3</sup> EN ISO 12185
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Viscosity / kinematic: (at 40 °C)	32 mm <sup>2</sup> /s ASTM D 7042
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#### Test method



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Jokisch Monos Atos C2P

Revision date: 01.03.2019

Product code: 54

Page 5 of 9

#### 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: none

#### SECTION 11: Toxicological information

##### 11.1. Information on toxicological effects

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Jokisch Monos Atos C2P**

Revision date: 01.03.2019

Product code: 54

Page 6 of 9

**Acute toxicity**

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
64742-56-9	Baseoil - unspecified, Distillates (petroleum), solvent-dewaxed light paraffinic				
	oral	LD50 > 5000 mg/kg	RAT		
	dermal	LD50 >5000 mg/kg	RABBIT		
	inhalation (4 h) aerosol	LC50 >5 mg/l			
64742-65-0	Hochraffinierte Mineralöle				
	oral	LD50 >5000 mg/kg	Rat		
	dermal	LD50 >5000 mg/kg	Rabbit		
	Geschwefelte pflanzliche Fettsäureester, Fettsäuren und Kohlenwasserstoffe Polymer				
	oral	LD50 >2000 mg/kg	RAT		
	Dialkylpolysulfid Polymer				
	oral	LD50 4000 mg/kg	RAT		
	dermal	LD50 >2000 mg/kg	RAT		
78-42-2	tris(2-ethylhexyl) phosphate				
	oral	LD50 >2000 mg/kg	Rat		OECDV 401
	inhalation (4 h) vapour	LC50 >447 mg/l	Rat		
	Triglycerid				
	oral	LD50 >5000 mg/kg			
	dermal	LD50 >2000 mg/kg			
64742-53-6	Baseoil - unspecified, Distillates (petroleum), hydrotreated light naphthenic				
	oral	LD50 >5000 mg/kg	Rabbit		
	dermal	LD50 >5000 mg/kg	Rabbit		
64742-65-0	Baseoil - unspecified, Distillates (petroleum), solvent-dewaxed heavy paraffinic				
	oral	LD50 >2000 mg/kg	Ratte		

**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).

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



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

## Jokisch Monos Atos C2P

Revision date: 01.03.2019

Product code: 54

Page 7 of 9

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
	Dialkylpolysulfid Polymer					
	Acute fish toxicity	LC50 mg/l	>100	96 h		
	Acute crustacea toxicity	EC50 mg/l	>10000	48 h		
78-42-2	tris(2-ethylhexyl) phosphate					
	Acute fish toxicity	LC50	101 mg/l	96 h	Oryzias latipes (Ricefish)	OECD 203
	Triglycerid					
	Acute fish toxicity	LC50 mg/l	>100	96 h		
	Acute crustacea toxicity	EC50 mg/l	>100	48 h		
68424-27-1	Fatty acids, C16 and C18-unsatd., triesters with trimethylolpropane					
	Acute fish toxicity	LC50 mg/l	> 100	96 h	Cyprinus carpio (Common Carp)	OECD 203
	Acute algae toxicity	ErC50 mg/l	> 100	72 h	Desmodesmus subspicatus	OECD 201
	Acute crustacea toxicity	EC50 mg/l	> 1000	48 h	Daphnia magna	OECD 202
	Crustacea toxicity	NOEC mg/l	> 1100	21 d	Daphnia magna	OECD 211
64742-65-0	Baseoil - unspecified, Distillates (petroleum), solvent-dewaxed heavy paraffinic					
	Acute crustacea toxicity	EC50 mg/l	>100	48 h		

**12.2. Persistence and degradability**

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
78-42-2	tris(2-ethylhexyl) phosphate			
	OECD 301B	0%	28	
	Product is not easily biodegradable.			
68424-27-1	Fatty acids, C16 and C18-unsatd., triesters with trimethylolpropane			
	OECD 301F	86%	28	
	Product is biodegradable.			

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

CAS No	Chemical name	Log Pow
78-42-2	tris(2-ethylhexyl) phosphate	>6,26

**BCF**

CAS No	Chemical name	BCF	Species	Source
78-42-2	tris(2-ethylhexyl) phosphate	9,2-22	Cyprinus carpio (Common Carp)	

**12.4. Mobility in soil**

in delivery condition: liquid

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



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Jokisch Monos Atos C2P

Revision date: 01.03.2019

Product code: 54

Page 8 of 9

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

#### 12.6. Other adverse effects

Avoid release to the environment.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Advice on disposal

Consult the local waste disposal expert about waste disposal. Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

### SECTION 14: Transport information

#### Land transport (ADR/RID)

##### 14.1. UN number:

Not a hazardous material with respect to these transportation regulations.

##### 14.2. UN proper shipping name:

Not a hazardous material with respect to these transportation regulations.

##### 14.3. Transport hazard class(es):

Not a hazardous material with respect to these transportation regulations.

##### 14.4. Packing group:

Not a hazardous material with respect to these transportation regulations.

#### Inland waterways transport (ADN)

##### 14.1. UN number:

Not a hazardous material with respect to these transportation regulations.

##### 14.2. UN proper shipping name:

Not a hazardous material with respect to these transportation regulations.

##### 14.3. Transport hazard class(es):

Not a hazardous material with respect to these transportation regulations.

##### 14.4. Packing group:

Not a hazardous material with respect to these transportation regulations.

#### Marine transport (IMDG)

##### 14.1. UN number:

Not a hazardous material with respect to these transportation regulations.

##### 14.2. UN proper shipping name:

Not a hazardous material with respect to these transportation regulations.

##### 14.3. Transport hazard class(es):

Not a hazardous material with respect to these transportation regulations.

##### 14.4. Packing group:

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##### Other applicable information (marine transport)

Not a hazardous material with respect to these transportation regulations.

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

##### 14.1. UN number:

Not a hazardous material with respect to these transportation regulations.

##### 14.2. UN proper shipping name:

Not a hazardous material with respect to these transportation regulations.

##### 14.3. Transport hazard class(es):

Not a hazardous material with respect to these transportation regulations.

##### 14.4. Packing group:

-

##### Other applicable information (air transport)

Not a hazardous material with respect to these transportation regulations.

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

#### 14.6. Special precautions for user

Personal protection equipment: see section 8

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

not applicable

### SECTION 15: Regulatory information

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

##### EU regulatory information



**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Jokisch Monos Atos C2P**

Revision date: 01.03.2019

Product code: 54

Page 9 of 9

**Restrictions on use (REACH, annex XVII):**

Entry 28: Baseoil - unspecified, Distillates (petroleum), solvent-dewaxed light paraffinic; Baseoil - unspecified, Distillates (petroleum), hydrotreated light naphthenic; Baseoil - unspecified, Distillates (petroleum), solvent-dewaxed heavy paraffinic; Destillate (Erdöl) mit Wasserstoff behandelte leichte paraffinhaltige

**Additional information**

Product does not require special labelling according to Directive 67/548/EEC.

**National regulatory information**

Water contaminating class (D): 1 - slightly water contaminating

**15.2. Chemical safety assessment**

For the following substances of this mixture a chemical safety assessment has been carried out:

Hochraffinierte Mineralöle

Geschwefelte pflanzliche Fettsäureester, Fettsäuren und Kohlenwasserstoffe Polymer

Dialkylpolysulfid Polymer

tris(2-ethylhexyl) phosphate

Triglycerid

Baseoil - unspecified, Distillates (petroleum), hydrotreated light naphthenic

**SECTION 16: Other information****Relevant H and EUH statements (number and full text)**

H304 May be fatal if swallowed and enters airways.

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