



Safety Data Sheet

according to Regulation (EC) No 1907/2006

Jokisch Monos Atos N4G

Print date: 25.01.2017

Product code: 242SP

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

1.1. Product identifier

Jokisch Monos Atos N4G

Further trade names

Old product name: Jokisch Foam Cut

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

Use of the substance/mixture

Cutting oil

Uses advised against

No information available.

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 Statements:

Extremely flammable aerosol.

Pressurised container: May burst if heated.

Causes serious eye irritation.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray into flames or ignition sources. Keep away from sources of ignition
- No smoking.

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.
Keep out of the reach of children.

2.2. Label elements

Regulation (EC) No. 1272/2008

Signal word: Danger

Pictograms:



Hazard statements

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H319	Causes serious eye irritation.

Precautionary statements

P102	Keep out of reach of children.
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P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves//eye protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P410	Protect from sunlight.
P412	Do not expose to temperatures exceeding 50 °C/122 °F.
P501	Dispose of contents/container to hazardous or special waste.

Special labelling of certain mixtures

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

Additional advice on labelling

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

2.3. Other hazards

No information available.

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]			
115-10-6	dimethyl ether			10-<25%
	204-065-8	603-019-00-8		
	Flam. Gas 1; H220			
57635-48-0	Alkylpolyglycoethercarbonic acid			2,5-<2,9%
	Eye Irrit. 2; H319			
111-46-6	2,2' -oxybisethanol, diethylene glycol			1-<=2,5%
	203-872-2	603-140-00-6		
	Acute Tox. 4; H302			
7664-38-2	Phosphoric acid ... %; orthophosphoric acid			1-<=2,5%
	231-633-2	015-011-00-6		
	Skin Corr. 1B; H314			
107-41-5	2-methylpentane-2,4-diol			1-<=2,5%
	203-489-0	603-053-00-3		
	Eye Irrit. 2, Skin Irrit. 2; H319 H315			

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

Further Information

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

SECTION 4: First aid measures

4.1. Description of first aid measures



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General information

Move victim to fresh air. Put victim at rest and keep warm. Do not leave victim unattended.

After inhalation

Provide fresh air. Seek medical attention if problems persist.

After contact with skin

After contact with skin, wash immediately with: Water and soap.
Generally the product does not irritate the skin.

After contact with eyes

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

After ingestion

Make affected person vomit if conscious. Immediately get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

No data available

4.3. Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂). Extinguishing powder. Atomized water.
Use alcohol resistant foam. for extinction.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Heating causes rise in pressure with risk of bursting.

5.3. Advice for firefighters

In case of fire and/or explosion do not breathe fumes.

Additional information

Use water spray/stream to protect personnel and to cool endangered containers.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment. Keep away from unprotected people. Keep upwind. Provide adequate ventilation. High slip hazard because of leaking or spilled product. Avoid contact with skin and eyes.
Remove all sources of ignition.

6.2. Environmental precautions

Do not empty into drains or the aquatic environment.

6.3. Methods and material for containment and cleaning up

Provide adequate ventilation. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

6.4. Reference to other sections

No information available.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

If suction of the immediate vicinity is impossible or insufficient, adequate airing of the working place must be



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ensured. Handle and open container with care. Avoid contact with skin and eyes.

Advice on protection against fire and explosion

Remove all sources of ignition. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray into flames or ignition sources.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep in a cool, well-ventilated place.

storage temperature: 15 - 35 °C, Do not store at temperatures over: 50 °C

Official regulations for the storage of compressed gas containers are to be observed

Advice on storage compatibility

Do not store together with: Oxidizing agents.

Maximum period of storage (time): 24 Monate

Further information on storage conditions

Store in a cool dry place. Protect from sunlight. Store in a well-ventilated place. Protect against: heat.

7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
111-46-6	2,2'-Oxydiethanol	23	101		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL
107-41-5	2-Methylpentane-2,4-diol	25	123		TWA (8 h)	WEL
		25	123		STEL (15 min)	WEL
115-10-6	Dimethyl ether	400	766		TWA (8 h)	WEL
		500	958		STEL (15 min)	WEL
7664-38-2	Orthophosphoric acid	-	1		TWA (8 h)	WEL
		-	2		STEL (15 min)	WEL
57-55-6	Propane-1,2-diol, particulates	-	10		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

8.2. Exposure controls

Protective and hygiene measures

Wash hands before breaks and at the end of work. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin and eyes.

Eye/face protection

Wear eye/face protection.

Hand protection

Tested protective gloves are to be worn: Nitrile. DIN EN 374

Thickness of glove material: > 480 min / 0,4mm

Respiratory protection

In case of inadequate ventilation wear respiratory protection.



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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Aerosol
Colour:	light yellow
Odour:	characteristic

Test method

pH-Value (at 20 °C): 7-8

Changes in the physical state

Melting point:	not determined
Initial boiling point and boiling range:	-24 °C
Flash point:	not applicable
Lower explosion limits:	2,6 vol. %
Upper explosion limits:	18,6 vol. %
Ignition temperature:	235 °C

Oxidizing properties

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray into flames or ignition sources. Danger of bursting container.

Vapour pressure: (at 20 °C)	3500-5000 hPa
Density (at 20 °C):	0,965 g/cm ³
Water solubility:	complete miscible

9.2. Other information

Vapours are heavier than air and will spread at floor level.

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

No information available.

10.3. Possibility of hazardous reactions

In use may form flammable/explosive vapour-air mixture.

10.4. Conditions to avoid

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Danger of bursting container.
Heating causes rise in pressure with risk of bursting.

10.5. Incompatible materials

Avoid contact with oxidizing agents

10.6. Hazardous decomposition products

Can be released in case of fire: Pyrolysis products, toxic.

Further information

storage stability: min 24 Monate

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
111-46-6	2,2' -oxybisethanol, diethylene glycol	oral	ATE 500 mg/kg		
		dermal	LD50 11890 mg/kg	Rabbit	
107-41-5	2-methylpentane-2,4-diol	oral	LD50 3700 mg/kg	Rat	
		dermal	LD50 8000 mg/kg	Rabbit	

Irritation and corrosivity

Irritant effect on the skin: mild irritant. = Keine Kennzeichnungspflicht

Irritant effect on the eye: mild irritant.

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

Harmful for Fish.

CAS No	Chemical name	Aquatic toxicity	Dose	[h] [d]	Species	Source
111-46-6	2,2' -oxybisethanol, diethylene glycol	Acute fish toxicity	LC50 > 32000 mg/l	96 h	Gambusia affinis	
7664-38-2	Phosphoric acid ... %; orthophosphoric acid	Acute fish toxicity	LC50 138 mg/l	96 h	Gambusia affinis	
107-41-5	2-methylpentane-2,4-diol	Acute fish toxicity	LC50 8510 mg/l	96 h	Gambusia affinis	
		Acute crustacea toxicity	EC50 3200 mg/l	48 h	Daphnia magna	

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
115-10-6	dimethyl ether	0,1
111-46-6	2,2' -oxybisethanol, diethylene glycol	-1,98 (25°C)
107-41-5	2-methylpentane-2,4-diol	0,58

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

not applicable

12.6. Other adverse effects

No information available.

Further information

Do not empty into drains or the aquatic environment. Harmful to aquatic organisms.

SECTION 13: Disposal considerations



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13.1. Waste treatment methods

Waste disposal number of waste from residues/unused products

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances
Classified as hazardous waste.

Waste disposal number of used product

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances
Classified as hazardous waste.

Waste disposal number of contaminated packaging

150104 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); metallic packaging

Contaminated packaging

Water. Water (with cleaning agent). Dispose of this material and its container to hazardous or special waste collection point.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: UN1950
14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2
Hazard label: 2.1



Classification code: 5F
Special Provisions: 190 327 344 625
Limited quantity: 1 L
Transport category: 2
Tunnel restriction code: D

Other applicable information (land transport)

Special provisions: 190 - 327 - 625
E0
Transport category: 2
Tunnel restriction code: D

Marine transport (IMDG)

14.1. UN number: UN 1950
14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2
14.4. Packing group: -
Hazard label: 2, see SP63

Marine pollutant: •



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Limited quantity: See SP277
EmS: F-D, S-U

Other applicable information (marine transport)

Special provisions: 63, 190, 277, 327, 959

Air transport (ICAO)

14.1. UN number: UN 1950
14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2.1
Hazard label: 2.1



Limited quantity Passenger: 30 kg G
IATA-packing instructions - Passenger: 203
IATA-max. quantity - Passenger: 75 kg
IATA-packing instructions - Cargo: 203
IATA-max. quantity - Cargo: 150 kg

Other applicable information (air transport)

E0
: Y203
150 kg

14.6. Special precautions for user

No information available.

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

No information available.

Other applicable information

Transport as "limited quantity" according to chapter 3.4 ADR/RID.

SECTION 15: Regulatory information

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

2004/42/EC (VOC): 17,3%

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

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

Changes

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

Relevant H and EUH statements (number and full text)

H220 Extremely flammable gas.
H222 Extremely flammable aerosol.

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H229	Pressurised container: May burst if heated.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H319	Causes serious eye irritation.

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.)