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

1.1. Product identifier

Jokisch Monos Atos N4G

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 Germany	
Street:	Industriestraße 5	
Place:	D-33813 Oerlinghausen	
Telephone:	+49(0)5202/9734-0	Telefax: +49(0)5202/9734-49
E-mail:	info@jokisch-fluids.de	
Contact person:	Regulatory affairs	
E-mail:	MSDS@jokisch-fluids.de	
Internet:	www.jokisch-fluids.de	
Responsible Department:	Environmental Department	

1.4. Emergency telephone number:

Emergency telephone number (24h) + 44 1235 239670 (en)

Further Information

Reserved for industrial and professional use.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Aerosol 1; H222-H229

Eye Irrit. 2; H319

Full text of hazard statements: see SECTION 16.

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 on naked flames or any incandescent material. Keep away from sources of ignition - No smoking.

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

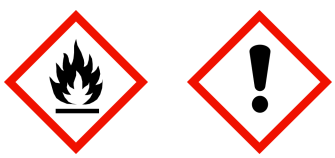
In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

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

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.
P280	Wear .
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.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

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

Relevant ingredients

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
115-10-6	dimethyl ether			15 - < 20 %
	204-065-8	603-019-00-8	01-2119472128-37	
	Flam. Gas 1; H220			
57635-48-0	Ethoxylated fatty alcohol carboxymethylated			1 - < 2.5 %
	611-563-2			
	Eye Dam. 1; H318			
107-41-5	2-methylpentane-2,4-diol			1 - < 2.5 %
	203-489-0	603-053-00-3	01-2119539582-35	
	Skin Irrit. 2, Eye Irrit. 2; H315 H319			
110-97-4	1,1'-iminodipropan-2-ol, di-isopropanolamine			1 - < 2.5 %
	203-820-9	603-083-00-7	01-2119475444-34	
	Eye Irrit. 2; H319			
141-43-5	2-aminoethanol; ethanolamine			< 0.1 %
	205-483-3	603-030-00-8		
	Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, STOT SE 3, Aquatic Chronic 3; H332 H312 H302 H314 H318 H335 H412			

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

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
57635-48-0	611-563-2	Ethoxylated fatty alcohol carboxymethylated	1 - < 2.5 %
	oral: LD50 = >2000 mg/kg		
107-41-5	203-489-0	2-methylpentane-2,4-diol	1 - < 2.5 %
	dermal: LD50 = 8000 mg/kg; oral: LD50 = 3700 mg/kg		
110-97-4	203-820-9	1,1'-iminodipropan-2-ol, di-isopropanolamine	1 - < 2.5 %
	dermal: LD50 = 8000 mg/kg; oral: LD50 = > 2000 mg/kg		
141-43-5	205-483-3	2-aminoethanol; ethanolamine	< 0.1 %
	inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: LD50 = 2504 mg/kg; oral: LD50 = 1098 mg/kg STOT SE 3; H335: >= 5 - 100		

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

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

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

Do NOT induce vomiting. Call a physician immediately.

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

Treat symptomatically.

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

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information

Use water spray jet to protect personnel and to cool endangered containers.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

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 allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Other information

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

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

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means. 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 on naked flames or any incandescent material.

Advice on general occupational hygiene

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

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

Hints on joint storage

Do not store together with: Oxidizing agents.
Maximum period of storage (time): 2 years

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)

Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

CAS No	Substance	ppm	mg/m³	fib/cm³	Category	Origin
141-43-5	2-Aminoethanol	1	2.5		TWA (8 h)	
		3	7.6		STEL (15 min)	
111-42-2	Diethanolamine (Inhalable Fraction and Vapour)	0.2	1		TWA (8 h)	
115-10-6	Dimethyl ether	1000	1920		TWA (8 h)	
107-41-5	Hexylene glycol	25	125		STEL (15 min)	
57-55-6	Propane-1,2-diol, particulates	-	10		TWA (8 h)	
102-71-6	Triethanolamine	-	5		TWA (8 h)	

DNEL/DMEL values

CAS No	Substance			
DNEL type		Exposure route	Effect	Value
57-55-6	1,2-propylene glycol (1,2-propanediol)1,2-propylene glycol (1,2-propanediol)			
Worker DNEL, long-term		inhalation	systemic	168 mg/m³
Consumer DNEL, long-term		oral	systemic	85 mg/kg bw/day
Consumer DNEL, long-term		dermal	systemic	213 mg/kg bw/day
Worker DNEL, long-term		inhalation	local	10 mg/m³
Consumer DNEL, long-term		inhalation	systemic	50 mg/m³
115-10-6	dimethyl ether			
Worker DNEL, long-term		inhalation	systemic	1894 mg/m³
Consumer DNEL, long-term		inhalation	systemic	471 mg/m³
102-71-6	Triethanolamin			
Worker DNEL, long-term		inhalation	local	1 mg/m³
Worker DNEL, long-term		dermal	systemic	7,5 mg/kg bw/day
Consumer DNEL, long-term		inhalation	local	0,4 mg/m³
Consumer DNEL, long-term		dermal	local	2,66 mg/person/day
Consumer DNEL, long-term		oral	systemic	3,3 mg/kg bw/day
107-41-5	2-methylpentane-2,4-diol			
Worker DNEL, long-term		inhalation	systemic	44,43 mg/m³
Worker DNEL, long-term		inhalation	local	49 mg/m³
Worker DNEL, long-term		dermal	systemic	63 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	7,83 mg/m³
Consumer DNEL, long-term		inhalation	local	25 mg/m³
Consumer DNEL, acute		inhalation	systemic	49 mg/m³
Consumer DNEL, long-term		dermal	systemic	22,5 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	2,25 mg/kg bw/day
110-97-4	1,1'-iminodipropan-2-ol, di-isopropanolamine			
Worker DNEL, long-term		inhalation	systemic	16 mg/m³
Worker DNEL, long-term		dermal	systemic	12,5 mg/kg bw/day
Consumer DNEL, long-term		dermal	systemic	6,3 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	3,9 mg/m³
Consumer DNEL, long-term		oral	systemic	1,3 mg/kg bw/day
141-43-5	2-aminoethanol; ethanolamine			
Worker DNEL, long-term		inhalation	systemic	1 mg/m³
Worker DNEL, long-term		inhalation	local	0,51 mg/m³
Worker DNEL, long-term		dermal	systemic	3 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	0,18 mg/m³
Consumer DNEL, long-term		inhalation	local	0,28 mg/m³
Consumer DNEL, long-term		dermal	systemic	1,5 mg/kg bw/day

Consumer DNEL, long-term	oral	systemic	1,5 mg/kg bw/day
111-42-2	2,2'-iminodiethanol; diethanolamine		
Worker DNEL, long-term	inhalation	systemic	0,75 mg/m³
Consumer DNEL, long-term	inhalation	systemic	0,125 mg/m³
Worker DNEL, long-term	inhalation	local	0,5 mg/m³
Consumer DNEL, long-term	inhalation	local	0,125 mg/m³
Worker DNEL, long-term	dermal	systemic	0,130 mg/kg bw/day
Consumer DNEL, long-term	dermal	systemic	0,07 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	0,06 mg/kg bw/day

PNEC values

CAS No	Substance	
Environmental compartment		Value
57-55-6	1,2-propylene glycol (1,2-propanediol)1,2-propylene glycol (1,2-propanediol)	
Freshwater		260 mg/l
Marine water		26 mg/l
Freshwater sediment		572 mg/kg
Marine sediment		57,2 mg/kg
Soil		50 mg/kg
115-10-6	dimethyl ether	
Freshwater		0,155 mg/l
Marine water		0,0155 mg/l
Freshwater sediment		0,681 mg/kg
Marine sediment		0,068 mg/kg
Micro-organisms in sewage treatment plants (STP)		160 mg/l
Soil		0,045 mg/kg
102-71-6	Triethanolamin	
Freshwater		0,32 mg/l
Marine water		0,32 mg/l
Freshwater sediment		1,7 mg/kg
Marine sediment		0,17 mg/kg
Micro-organisms in sewage treatment plants (STP)		10 mg/l
Soil		0,151 mg/kg
107-41-5	2-methylpentane-2,4-diol	
Freshwater		0,429 mg/l
Marine water		0,043 mg/l
Freshwater sediment		1,59 mg/kg
Marine sediment		0,159 mg/kg
Micro-organisms in sewage treatment plants (STP)		20 mg/l
Soil		0,066 mg/kg
110-97-4	1,1'-iminodipropan-2-ol, di-isopropanolamine	
Freshwater		0,28 mg/l
Marine water		0,028 mg/l
Freshwater sediment		2,19 mg/kg
Marine sediment		0,219 mg/kg
Micro-organisms in sewage treatment plants (STP)		15000 mg/l
Soil		0,275 mg/kg
141-43-5	2-aminoethanol; ethanolamine	
Freshwater		0,07 mg/l
Marine water		0,007 mg/l
Freshwater sediment		0,375 mg/kg
Marine sediment		0,036 mg/kg
Micro-organisms in sewage treatment plants (STP)		100 mg/l

Soil		1,29 mg/kg
111-42-2	2,2'-iminodiethanol; diethanolamine	
Freshwater		0,021 mg/l
Marine water		0,002 mg/l
Freshwater sediment		0,092 mg/kg
Marine sediment		0,0092 mg/kg
Soil		1,63 mg/kg

8.2. Exposure controls







Individual protection measures, such as personal protective equipment

Hand protection

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

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

Skin protection

Only wear fitting, comfortable and clean protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

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
Melting point/freezing point:	not determined	
Boiling point or initial boiling point and boiling range:	-24 °C	
Lower explosion limits:	2,6 vol. %	
Upper explosion limits:	18,6 vol. %	
Flash point:	not applicable	
Auto-ignition temperature:	235 °C	
pH-Value (at 20 °C):	7-8	
Water solubility:	completely miscible	
Vapour pressure: (at 20 °C)	3500-5000 hPa	
Density (at 20 °C):	0,965 g/cm³	DIN 55990

9.2. Other information

Information with regard to physical hazard classes

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 on naked flames or any incandescent material. Danger of bursting container.

Further Information

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

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

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.

10.6. Hazardous decomposition products

In case of fire may be liberated: Pyrolysis products, toxic.

Further information

storage stability: min. 2 years

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Based on available data, the classification criteria are not met.

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
57635-48-0	Ethoxylated fatty alcohol carboxymethylated				
	oral	LD50 >2000 mg/kg	Ratte		
107-41-5	2-methylpentane-2,4-diol				
	oral	LD50 3700 mg/kg	Rat		
	dermal	LD50 8000 mg/kg	Rabbit		
110-97-4	1,1'-iminodipropan-2-ol, di-isopropanolamine				
	oral	LD50 > 2000 mg/kg	Rat		
	dermal	LD50 8000 mg/kg	Rabbit		
141-43-5	2-aminoethanol; ethanolamine				
	oral	LD50 1098 mg/kg	Rat		OECD Guideline 401
	dermal	LD50 2504 mg/kg	Rabbit	IUCLID	OECD Guideline 402
	inhalation vapour	ATE 11 mg/l			
	inhalation dust/mist	ATE 1,5 mg/l			

Irritation and corrosivity

Causes serious eye irritation.
Skin corrosion/irritation: Based on available data, the classification criteria are not met.
Irritant effect on the skin: mild irritant. Identification is not obligatory. Please observe the information on the safety data sheet at all times.
Irritant effect on the eye: mild irritant.

Sensitising effects

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Endocrine disrupting properties

The product contains a substance that is identified as having endocrine disrupting properties.

SECTION 12: Ecological information

12.1. Toxicity

Based on available data, the classification criteria are not met.

CAS No	Chemical name						
	Aquatic toxicity	Dose		[h] | [d]	Species	Source	Method
57635-48-0	Ethoxylated fatty alcohol carboxymethylated						
	Acute fish toxicity	LC50	9,1 mg/l	96 h	Zebrabärbling		OECD 203
	Acute algae toxicity	ErC50 mg/l	> 200	72 h	Grünalge		OECD 201
	Acute crustacea toxicity	EC50 mg/l	28,2	48 h	Großer Wasserfloh		OECD 202
	Acute bacteria toxicity	EC50 ( )	620 mg/l		Belebtschlamm		OECD 209
107-41-5	2-methylpentane-2,4-diol						
	Acute fish toxicity	LC50 mg/l	8510	96 h	Gambusia affinis		
	Acute crustacea toxicity	EC50 mg/l	3200	48 h	Daphnia magna		
	Acute bacteria toxicity	EC50 mg/l ( )	> 100	0,5 h	Bacteria		
110-97-4	1,1'-iminodipropan-2-ol, di-isopropanolamine						
	Acute fish toxicity	LC50 mg/l	> 1000	96 h	Goldorfe		
	Acute algae toxicity	ErC50	339 mg/l	72 h	Scenedesmus subspicatus		German standard DIN 38412
	Acute crustacea toxicity	EC50 mg/l	277,7	48 h	Daphnia magna		guideline 79/831/EEC, C.2
141-43-5	2-aminoethanol; ethanolamine						
	Acute fish toxicity	LC50	150 mg/l	96 h	Onchorhynchus mykiss	Echa	
	Acute algae toxicity	ErC50	2,8 mg/l	72 h	Pseudokirchneriella	Echa	OECD 201
	Acute crustacea toxicity	EC50 mg/l	27,04	48 h	Daphnia magna	Echa	OECD 202

12.2. Persistence and degradability

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
57635-48-0	Ethoxylated fatty alcohol carboxymethylated			
	OECD 301E	73 %	28	
	leicht biologsich abbaubar			
107-41-5	2-methylpentane-2,4-diol			
	DOC gelöster org. Kohlenstoff	95%	28	
	Easily biodegradable (concerning to the criteria of the OECD)			
110-97-4	1,1'-iminodipropan-2-ol, di-isopropanolamine			
	OECD 301 F	94 %	28	
	Easily biodegradable (concerning to the criteria of the OECD)			

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
115-10-6	dimethyl ether	0,1
107-41-5	2-methylpentane-2,4-diol	0,58
110-97-4	1,1'-iminodipropan-2-ol, di-isopropanolamine	-0,79
141-43-5	2-aminoethanol; ethanolamine	-1,91 (25°C)

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.
The components in this formulation do not meet the criteria for classification as PBT or vPvB.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

Do not allow to enter into surface water or drains.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste. The waste code has to be identified in agreement with the disposal company or the competent authority. Consult the appropriate local waste disposal expert about waste disposal. Remove according to the regulations.

List of Wastes Code - 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; hazardous waste

List of Wastes Code - 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; hazardous waste

List of Wastes Code - 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 or ID 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 or ID 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:	•
Limited quantity:	See SP277
EmS:	F-D, S-U

Other applicable information (marine transport)

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

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID 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

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

Personal protection equipment: see section 8

14.7. Maritime transport in bulk according to IMO instruments

not applicable

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

Restrictions on use (REACH, annex XVII):
Entry 3, Entry 40, Entry 75

Directive 2004/42/EC on VOC in paints and varnishes:	38,4% (373 g/L)
Information according to Directive 2012/18/EU (SEVESO III):	Not subject to 2012/18/EU (SEVESO III)

National regulatory information

Employment restrictions:	Observe restrictions to employment for juveniles 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 hazard class (D):	1 - slightly hazardous to water

15.2. Chemical safety assessment

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

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 1,2,7,11,12.

AICS (Australien), DSL (Kanada), IECSC (China), REACH (Europäische Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (Neuseeland), PICCS (Philippinen), TSCA (USA)

Abbreviations and acronyms

Flam. Gas: Flammable gases
Aerosol: Aerosols
Acute Tox: Acute toxicity
Skin Corr: Skin corrosion
Skin Irrit: Skin irritation
Eye Dam: Eye damage
Eye Irrit: Eye irritation
STOT SE: Specific target organ toxicity - single exposure
STOT RE: Specific target organ toxicity - repeated exposure
Aquatic Chronic: Chronic aquatic hazard
ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%

Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

Classification	Classification procedure
Aerosol 1; H222-H229	On basis of test data
Eye Irrit. 2; H319	Bridging principle "Aerosols"

Relevant H and EUH statements (number and full text)

H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.

Further Information

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

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