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:	JOKOBA Technologies GmbH Germany
Street:	Industriestraße 5-10
Place:	D-33813 Oerlinghausen
Telephone:	+49(0)5202/9734-0
E-mail:	info@jokoba.de
Contact person:	Regulatory affairs
E-mail:	MSDS@jokoba.de
Internet:	www.jokisch-fluids.de

1.4. Emergency telephone number: Emergency telephone number (24h) +1 872 5888271 (JRR) (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 Dam. 1; H318
Skin Sens. 1; H317

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

Hazard components for labelling

Ethoxylated fatty alcohol carboxymethylated
Resin acids and rosin acids

Signal word: Danger

Pictograms:



Hazard statements

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H317	May cause an allergic skin reaction.

H318	Causes serious eye damage.

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.
P310	Immediately call a POISON CENTER/doctor.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Special labelling

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			2.5 - < 5 %
	611-563-2			
	Eye Dam. 1; H318			
10017-56-8	Triethylammonium, salt with phosphoric acid			1 - < 2.5 %
	233-010-0			
	Skin Irrit. 2, Eye Irrit. 2; H315 H319			
111-46-6	2,2' -oxybisethanol, diethylene glycol			1 - < 2.5 %
	203-872-2	603-140-00-6	01-2119457857-21	
	Acute Tox. 4; H302			
112-34-5	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether			1 - < 2.5 %
	203-961-6		01-2119475104-44	
	Eye Irrit. 2; H319			
73138-82-6	Resin acids and rosin acids			1 - < 2.5 %
	277-299-1	650-015-00-7		
	Skin Sens. 1; H317			
141-43-5	2-aminoethanol; ethanolamine			< 0.1 %
	205-483-3	603-030-00-8	01-2119486455-28	
	Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Skin Sens. 1, STOT SE 3, Aquatic Chronic 3; H332 H312 H302 H314 H318 H317 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	2.5 - < 5 %
	oral: LD50 = >2000 mg/kg		
111-46-6	203-872-2	2,2' -oxybisethanol, diethylene glycol	1 - < 2.5 %
	dermal: LD50 = 11890 mg/kg; oral: ATE = 500 mg/kg		
112-34-5	203-961-6	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether	1 - < 2.5 %
	dermal: LD50 = 2764 mg/kg; oral: LD50 = 3305 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 = 1025 mg/kg; oral: LD50 = 1515 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
112-34-5	2-(2-Butoxyethoxy)ethanol	10	67.5		TWA (8 h)	
		15	101.2		STEL (15 min)	
111-46-6	2,2'-Oxydiethanol	23	100		TWA (8 h)	
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)	
111-46-6	Diethylene glycol	23	100		TWA (8 h)	
115-10-6	Dimethyl ether	1000	1920		TWA (8 h)	
141-43-5	Ethanolamine (2-Aminoethanol)	1	2.5		TWA (8 h)	
		3	7.6		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)			
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
111-46-6	2,2' -oxybisethanol, diethylene glycol			
Worker DNEL, long-term		inhalation	systemic	44 mg/m³
Worker DNEL, long-term		inhalation	local	60 mg/m³
Worker DNEL, long-term		dermal	systemic	43 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	12 mg/m³
Consumer DNEL, long-term		inhalation	local	12 mg/m³
Consumer DNEL, long-term		dermal	systemic	21 mg/kg bw/day
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
112-34-5	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether			
Worker DNEL, long-term		dermal	systemic	83 mg/kg bw/day
Consumer DNEL, acute		inhalation	local	60,7 mg/m³
Worker DNEL, long-term		inhalation	local	67,5 mg/m³
Consumer DNEL, long-term		inhalation	local	40,5 mg/m³
Consumer DNEL, long-term		inhalation	systemic	40,5 mg/m³
Worker DNEL, long-term		inhalation	systemic	67,5 mg/m³
Worker DNEL, acute		inhalation	local	101,2 mg/m³
Consumer DNEL, long-term		dermal	systemic	50 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	5 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)	
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
Microorganisms in sewage treatment plants (STP)		160 mg/l
Soil		0,045 mg/kg
111-46-6	2,2' -oxybisethanol, diethylene glycol	
Freshwater		10 mg/l
Marine water		1 mg/l
Freshwater sediment		20,9 mg/kg
Marine sediment		2,09 mg/kg
Microorganisms in sewage treatment plants (STP)		199,5 mg/l
Soil		1,53 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
Microorganisms in sewage treatment plants (STP)		10 mg/l
Soil		0,151 mg/kg
112-34-5	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether	
Freshwater		1,1 mg/l
Marine water		0,11 mg/l
Freshwater sediment		4,4 mg/kg
Marine sediment		0,44 mg/kg
Secondary poisoning		56 mg/kg
Microorganisms in sewage treatment plants (STP)		200 mg/l
Soil		0,4 mg/kg
141-43-5	2-aminoethanol; ethanolamine	
Freshwater		0,07 mg/l
Marine water		0,007 mg/l
Freshwater sediment		0,357 mg/kg
Marine sediment		0,036 mg/kg

Microorganisms 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

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) 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	
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) > 5000 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	Rat		OECD 423
111-46-6	2,2' -oxybisethanol, diethylene glycol				
	oral	ATE 500 mg/kg			
	dermal	LD50 11890 mg/kg	Rabbit		
112-34-5	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether				
	oral	LD50 3305 mg/kg	Rat		
	dermal	LD50 2764 mg/kg	Rabit		
141-43-5	2-aminoethanol; ethanolamine				
	oral	LD50 1515 mg/kg	Rat		
	dermal	LD50 1025 mg/kg	Rabbit	IUCLID	
	inhalation vapour	ATE 11 mg/l			
	inhalation dust/mist	ATE 1,5 mg/l			

Irritation and corrosivity

Serious eye damage/eye irritation: Causes serious eye damage.
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

May cause an allergic skin reaction. (Resin acids and rosin acids)

Carcinogenic/mutagenic/toxic effects for reproduction

Germ cell mutagenicity: Based on available data, the classification criteria are not met.
Carcinogenicity: Based on available data, the classification criteria are not met.
Reproductive toxicity: 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

Based on available data, the classification criteria are not met.
This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

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	Danio rerio		OECD 203
	Acute algae toxicity	ErC50 mg/l	> 200	72 h	Pseudokirchneriella subcapitata		OECD 201
	Acute crustacea toxicity	EC50 mg/l	28,2	48 h	Daphnia magna		OECD 202
	Acute bacteria toxicity	EC50 ( )	620 mg/l		Belebtschlamm		OECD 209
111-46-6	2,2' -oxybisethanol, diethylene glycol						
	Acute fish toxicity	LC50 mg/l	> 32000	96 h	Gambusia affinis		
112-34-5	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether						
	Acute fish toxicity	LC50 mg/l	2500	96 h	Leopomis macrochirus		static methode
	Acute algae toxicity	ErC50 mg/l	> 100	96 h	Scenedesmus subspicatus		static methode
	Acute crustacea toxicity	EC50 mg/l	> 1000	48 h	Daphnia magna		static methode
	Acute bacteria toxicity	EC50 mg/l ( )	> 1000				static methode 0,1d
141-43-5	2-aminoethanol; ethanolamine						
	Acute fish toxicity	LC50	150 mg/l	96 h	Oncorhynchus mykiss	IUCLID	
	Acute algae toxicity	ErC50	22 mg/l	72 h	Desmodesmus subspicatus		
	Acute crustacea toxicity	EC50	65 mg/l	48 h	Daphnia magna		

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	
	Easily biodegradable (concerning to the criteria of the OECD)			
112-34-5	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether			
	OECD 301C / ISO 9408	89 %	28	
	Product is biodegradable.			
	OECD 302B	100 %	28	
	Product is biodegradable.			
	OECD TG 301 E	94 %	28	
	Product is biodegradable.			

12.3. Bioaccumulative potential

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
112-34-5	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether	0,29
141-43-5	2-aminoethanol; ethanolamine	-1,91

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

Based on available data, the classification criteria are not met.
The components in this formulation do not meet the criteria for classification as PBT or vPvB .

12.6. Endocrine disrupting properties

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

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
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
Marine pollutant:	•

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 2010/75/EU on industrial emissions:	40,456 % (390,396 g/l)

Directive 2004/42/EC on VOC in paints and varnishes:	41,848 % (403,832 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
Triethylammonium, salt with phosphoric acid

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 9,15.
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 1: Flammable gases, hazard category 1
Aerosol 1: Aerosols, hazard category 1
Acute Tox. 4: Acute toxicity, hazard category 4
Skin Corr. 1B: Skin corrosion, sub-category 1B
Skin Irrit. 2: Skin irritation, hazard category 2
Eye Dam. 1: Serious eye damage, hazard category 1
Eye Irrit. 2: Eye irritation, hazard category 2
Skin Sens. 1: Skin sensitisation, hazard category 1
STOT SE 3: Specific target organ toxicity - single exposure, hazard category 3
Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard category: Chronic 3
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 Dam. 1; H318	Bridging principle "Aerosols"
Skin Sens. 1; H317	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.
H317	May cause an allergic skin reaction.
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.)