

according to Regulation (EC) No 1907/2006

ARC BX5(E) Part B

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

1.1. Product identifier

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UFI:

Q6N6-KKX7-CPEV-867X

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

Uses advised against

No information available.

1.3. Details of the supplier of the safety data sheet

Company name:	Chesterton International GmbH	
Street:	Am Lenzenfleck 23	
Place:	D-85737 Ismaning GERMANY	
Telephone:	+49 89 99 65 46 - 0	Telefax: +49 89 99 65 46 - 50
E-mail:	eu-sds@chesterton.com	
Contact person:	eu-sds@chesterton.com	Telephone: +49 89 99 65 46 - 0
E-mail:	eu-sds@chesterton.com	
Internet:	www.chesterton.com	
Responsible Department:	eu-sds@chesterton.com	
1.4. Emergency telephone	+49(0) 551 - 1 92 40 (GIZ-Nord, 24h)	

number:

1

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Skin Corr. 1; H314 Eye Dam. 1; H318 Skin Sens. 1; H317 Aquatic Chronic 2; H411

Full text of hazard statements: see SECTION 16.

2.2. Label elements

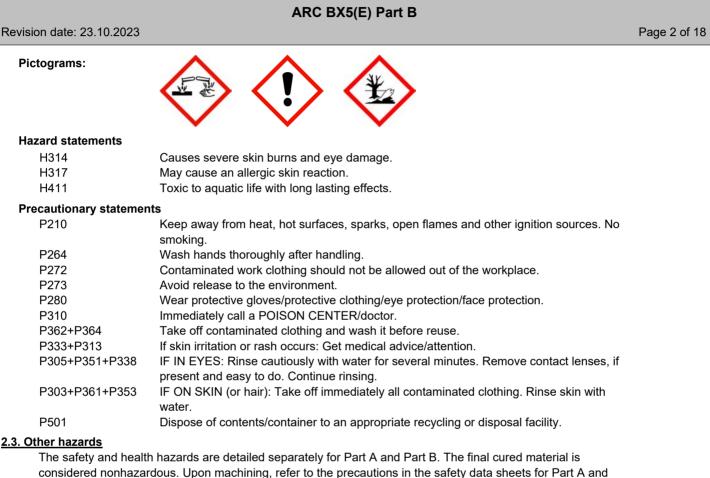
Regulation (EC) No 1272/2008

Hazard components for labelling m-phenylenebis(methylamine) Calcium nitrate N-(3-(trimethoxysilyl)propyl)ethylenediamine Signal word: Danger

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SECTION 3: Composition/information on ingredients

3.2. Mixtures



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Hazardous components

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No	1272/2008)	·	
57214-10-5	Formaldehyde, oligomeric reaction	products with phenol and n	n-phenylenebis(methylamine)	10 - < 15 %
	500-137-0			
	Aquatic Acute 1, Aquatic Chronic 2	; H400 H410	•	
1477-55-0	m-phenylenebis(methylamine)			10 - < 15 %
	216-032-5		01-2119480150-50	
	Acute Tox. 4, Acute Tox. 4, Skin C H302 H314 H318 H317 H412 EUF			
10124-37-5	Calcium nitrate	1 - < 5 %		
	233-332-1		01-2119495093-35	
	Acute Tox. 4, Eye Dam. 1; H302 H	318	•	
64-17-5	ethanol, ethyl alcohol			1 - < 5 %
	200-578-6	603-002-00-5	01-2119457610-43	
	Flam. Liq. 2, Eye Irrit. 2; H225 H31	9	•	
1760-24-3	N-(3-(trimethoxysilyl)propyl)ethyler	< 1 %		
	217-164-6		01-2119970215-39	
	Acute Tox. 4, Eye Dam. 1, Skin Se	ens. 1; H332 H318 H317		

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	
1477-55-0	216-032-5	m-phenylenebis(methylamine)	10 - < 15 %
		E = 11 mg/l (vapours); inhalation: LC50 = 1,34 mg/l (dusts or mists); dermal: LD50 ;; oral: LD50 = 930 mg/kg	
10124-37-5	233-332-1	Calcium nitrate	1 - < 5 %
	dermal: LD50 -	= > 2000 mg/kg; oral: LD50 = > 300 - < 2000 mg/kg	
64-17-5	200-578-6	ethanol, ethyl alcohol	1 - < 5 %
	inhalation: LC5 100	50 = 124,7 mg/l (vapours); oral: LD50 = 10470 mg/kg Eye Irrit. 2; H319: >= 50 -	
1760-24-3	217-164-6	N-(3-(trimethoxysilyl)propyl)ethylenediamine	< 1 %
		E = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: LD50 = oral: LD50 = 2295 mg/kg	

SECTION 4: First aid measures

4.1. Description of first aid measures



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General information

First aider: Pay attention to self-protection!

Take off immediately all contaminated clothing and wash it before reuse.

IF exposed or if you feel unwell: Immediately call a POISON CENTER or doctor/physician.

After inhalation

IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

Immediately call a doctor.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Seek medical advice immediately. Do not wash with: Solvents/Thinner

After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting.

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

Causes severe skin burns and eye damage. Harmful if swallowed. Skin sensitisation

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

First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

- Dry extinguishing powder.
- Carbon dioxide (CO2).
- alcohol resistant foam.
- Water spray jet

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

- Carbon monoxide
- Carbon dioxide (CO2).
- Nitrogen oxides (NOx)

5.3. Advice for firefighters

Special protective equipment for firefighters Protective clothing. In case of fire: Wear self-contained breathing apparatus.

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Co-ordinate fire-fighting measures to the fire surroundings.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Provide adequate ventilation. Remove persons to safety. Safe handling: see section 7 Personal protection equipment: see section 8

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Cover drains. Adverse environmental effects

6.3. Methods and material for containment and cleaning up

For containment

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

See section 8.

Wear personal protection equipment (refer to section 8). Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin, eyes and clothes. Take off contaminated clothing and wash it before reuse. Contaminated work clothing should not be allowed out of the workplace. When using do not eat, drink or smoke.

Never use pressure to empty container. Keep/Store only in original container.

Do not allow to enter into surface water or drains.

Advice on protection against fire and explosion

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Advice on general occupational hygiene

Work in well-ventilated zones or use proper respiratory protection. Only wear fitting, comfortable and clean protective clothing. Avoid contact with skin, eyes and clothes. Wash hands and face before breaks and after work and take a shower if necessary.

7.2. Conditions for safe storage, including any incompatibilities

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Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place. Keep/Store only in original container.

Further information on storage conditions

Keep away from:

- Frost
- Heat
- Humidity

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

CAS No	Substance	ppm	mg/m³	fib/cm³	Category	Origin
1302-74-5	Emery, respirable dust	-	4		TWA (8 h)	
64-17-5	Ethanol	1000	-		STEL (15 min)	
1477-55-0	m-Xylene alpha,alpha'-diamine (m-phenylenebis(methylamine))	-	0.1		TWA (8 h)	
409-21-2	Silicon carbide, respirable dust	-	3		TWA (8 h)	



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DNEL/DMEL values

CAS No	Substance			
DNEL type		Exposure route	Effect	Value
57214-10-5	Formaldehyde, oligomeric reaction proc	ducts with phenol and m-phenylenebis(methylamine)	
Worker DNEL	, long-term	inhalation	systemic	0,02 mg/m³
Worker DNEL	., acute	inhalation	systemic	2 mg/m³
Worker DNEL	., long-term	inhalation	local	0,6 mg/m³
Worker DNEL	., acute	inhalation	local	6 mg/m³
Worker DNEL	., long-term	dermal	systemic	0,385 mg/kg bw/day
Worker DNEL	., acute	dermal	systemic	3,85 mg/kg bw/day
Worker DNEL	., long-term	dermal	local	0,00028 mg/cm ²
Worker DNEL	, acute	dermal	local	0,0028 mg/cm ²
Consumer DN	IEL, long-term	dermal	systemic	0,00772 mg/kg bw/day
Consumer DN	IEL, acute	dermal	systemic	0,00772 mg/kg bw/day
Consumer DN	IEL, long-term	dermal	local	0,000167 mg/cm ²
Consumer DN	IEL, acute	dermal	local	0,000167 mg/cm ²
Consumer DN	IEL, long-term	oral	systemic	3,33 mg/kg bw/day
Consumer DN	IEL, acute	oral	systemic	3,33 mg/kg bw/day
3				
1477-55-0	m-phenylenebis(methylamine)			
Worker DNEL	., long-term	dermal	systemic	0,33 mg/kg bw/day
Norker DNEL	., long-term	inhalation	local	0,2 mg/m ³
Norker DNEL	., long-term	inhalation	systemic	1,2 mg/m ³
409-21-2	Silicon carbide			
Norker DNEL	, acute	inhalation	systemic	94 mg/m³
Consumer DN	NEL, acute	inhalation	systemic	23 mg/m ³
Consumer DN	IEL, acute	dermal	systemic	200 mg/kg bw/da
Consumer DN	NEL, acute	oral	systemic	13 mg/kg bw/day
,				
10124-37-5	Calcium nitrate			
	IEL, acute	oral	systemic	10 mg/kg bw/day

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64-17-5 ethanol, ethyl alcohol			
Worker DNEL, long-term	inhalation	systemic	380 mg/m³
Worker DNEL, acute	inhalation	local	1900 mg/m³
Worker DNEL, long-term	dermal	systemic	343 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	114 mg/m³
Consumer DNEL, acute	inhalation	local	950 mg/m³
Consumer DNEL, long-term	dermal	systemic	206 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	87 mg/kg bw/day
,			
1760-24-3 N-(3-(trimethoxysilyl)propyl)ethylenediamine			
Consumer DNEL, acute	inhalation	local	4 mg/m ³
Consumer DNEL, long-term	inhalation	local	0,1 mg/m³
Worker DNEL, long-term	inhalation	local	0,6 mg/m³
Worker DNEL, acute	inhalation	local	5,36 mg/m³
Worker DNEL, long-term	inhalation	systemic	130 mg/m³
Worker DNEL, acute	inhalation	systemic	260 mg/m ³
Worker DNEL, long-term	dermal	systemic	5 mg/kg bw/day
Worker DNEL, acute	dermal	systemic	5 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	26 mg/m³
Consumer DNEL, acute	inhalation	systemic	26400 mg/m ³
Consumer DNEL, long-term	dermal	systemic	2,5 mg/kg bw/day
Consumer DNEL, acute	dermal	systemic	17 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	4 mg/kg bw/day



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PNEC values

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CAS No	Substance	
Environment	al compartment	Value
57214-10-5	Formaldehyde, oligomeric reaction products with phenol and m-phenyl	enebis(methylamine)
Freshwater		0,02 mg/l
Marine water		0,002 mg/l
1477-55-0	m-phenylenebis(methylamine)	
Freshwater		0,094 mg/l
Freshwater (intermittent releases)	0,152 mg/l
Marine water	r	0,009 mg/l
Freshwater s	sediment	12,4 mg/kg
Marine sedin	nent	1,24 mg/kg
Micro-organi	sms in sewage treatment plants (STP)	10 mg/l
Soil		2,44 mg/kg
10124-37-5	Calcium nitrate	
Micro-organi	sms in sewage treatment plants (STP)	18 mg/l
64-17-5	ethanol, ethyl alcohol	
Freshwater		0,96 mg/l
Freshwater (intermittent releases)	2,75 mg/l
Marine water	r	0,79 mg/l
Freshwater s	sediment	3,6 mg/kg
Marine sedin	nent	2,9 mg/kg
Secondary p	oisoning	380 mg/kg
Micro-organi	sms in sewage treatment plants (STP)	580 mg/l
Soil		0,63 mg/kg
1760-24-3	N-(3-(trimethoxysilyl)propyl)ethylenediamine	
Freshwater		0,05 mg/l
Freshwater (intermittent releases)	0,072 mg/l
Marine water	r	0,005 mg/l
Freshwater s	sediment	0,181 mg/kg
Marine sedin	nent	0,018 mg/kg
Micro-organi	sms in sewage treatment plants (STP)	20 mg/l
Soil		0,007 mg/kg

8.2. Exposure controls



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Appropriate engineering controls

Provide adequate ventilation as well as local exhaustion at critical locations.

Individual protection measures, such as personal protective equipment

Eye/face protection

- Suitable eye protection:
- Eye glasses with side protection
- goggles

Hand protection

Tested protective gloves must be worn: EN ISO 374

NBR (Nitrile rubber),

Wearing time with permanent contact: Thickness of the glove material: >= 0,4 mm, Breakthrough time:: >480 min

Wearing time with occasional contact (splashes):: Thickness of the glove material: >= 0,1 mm, Breakthrough time: > 30 min

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Breakthrough times and swelling properties of the material must be taken into consideration.

Skin protection

Wear suitable protective clothing.

Respiratory protection

Usually no personal respirative protection necessary.

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Combination filtering device A-P3

Self-contained respirator (breathing apparatus)

Thermal hazards

No data available

Environmental exposure controls

Do not allow to enter into surface water or drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Colour: Odour:	Paste red brown characteristic		
-			Test method
Melting point/freezing point:		No data available	
Boiling point or initial boiling point and boiling range:		No data available	
Flammability			
Solid/liquid:		No data available	
Lower explosion limits:		not applicable	

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Upper explosion limits:	not applicable	
Flash point:	77 °C	
Auto-ignition temperature:	No data available	
Decomposition temperature:	No data available	
pH-Value:	No data available	
Water solubility:	Immiscible	
Solubility in other solvents		
No information available.		
Partition coefficient n-octanol/water:	No data available	
Vapour pressure:	No data available	
Density:	2,09 g/cm ³	
Relative vapour density:	>1	(Air=1)
9.2. Other information		
Information with regard to physical hazard classes		
Explosive properties		
No information available.		
Self-ignition temperature		
Solid:	No data available	
Gas:	No data available	
Oxidizing properties		
No information available.		
Other safety characteristics		
Evaporation rate:	<1	(Ether=1)
Viscosity / dynamic:	50000 mPa·s	
Further Information		
No information available.		

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is stable under storage at normal ambient temperatures.

10.2. Chemical stability

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Does not decompose when used for intended uses. No known hazardous decomposition products.

10.3. Possibility of hazardous reactions

Exothermic reaction with:

- Acid,
- Oxidising agent

10.4. Conditions to avoid

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

10.5. Incompatible materials

- Acid,

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- Oxidising agent

10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

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) 6905 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) 135,7 mg/l; ATE (inhalation dust/mist) 16.53 mg/l

dust/mist)	16,53	mg/i
,	,	0

CAS No	Chemical name								
	Exposure route	Dose		Species	Source	Method			
1477-55-0	m-phenylenebis(methyla	mine)							
	oral	LD50 mg/kg	930	Rat	Study report (1973)	OECD Guideline 401			
	dermal	LD50 mg/kg	> 3100	Rat	Study report (1975)	TK 11813 was applied to a shaved area of			
	inhalation vapour	ATE	11 mg/l						
	inhalation (4 h) dust/mist	LC50	1,34 mg/l	Rat					
10124-37-5	Calcium nitrate								
	oral	LD50 2000 mg/kg	> 300 - <	Rat	Study report (2010)	OECD Guideline 423			
	dermal	LD50 mg/kg	> 2000	Rat	Study report (2007)	OECD Guideline 402			
64-17-5	ethanol, ethyl alcohol								
	oral	LD50 mg/kg	10470	Rat	Study report (1976)	OECD Guideline 401			
	inhalation (4 h) vapour	LC50 mg/l	124,7	Rat	Study report (1980)	OECD Guideline 403			
1760-24-3	N-(3-(trimethoxysilyl)propyl)ethylenediamine								
	oral	LD50 mg/kg	2295	Rat	Study report (2001)	EPA OPPTS 870.1100			
	dermal	LD50 mg/kg	> 2000	Rabbit	Study report (2000)	EPA OPPTS 870.1200			
	inhalation vapour	ATE	11 mg/l						
	inhalation dust/mist	ATE	1,5 mg/l						

Irritation and corrosivity



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Causes severe skin burns and eye damage. Causes serious eye damage.

Sensitising effects

May cause an allergic skin reaction. (m-phenylenebis(methylamine); N-(3-(trimethoxysilyl)propyl)ethylenediamine)

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

No data available

SECTION 12: Ecological information

12.1. Toxicity



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CAS No	Chemical name								
	Aquatic toxicity	Dose		[h] [d]	Species	Source	Method		
477-55-0	m-phenylenebis(methylar	nine)							
	Acute fish toxicity	LC50 mg/l	> 100	96 h	Oncorhynchus mykiss	REACh Registration Dossier	OECD Guideline 203		
	Acute algae toxicity	ErC50	12 mg/l	72 h	Desmodesmus subspicatus	REACh Registration Dossier	OECD Guideline 201		
	Acute crustacea toxicity	EC50 mg/l	15,2	48 h	Daphnia magna (Big water flea)				
	Algae toxicity	NOEC mg/l	10,5	3 d	Selenastrum capricornutum				
	Crustacea toxicity	NOEC	4,7 mg/l	21 d	Daphnia magna	REACh Registration Dossier	OECD Guideline 211		
	Acute bacteria toxicity	(EC50 mg/l)	> 1000	0,5 h	Activated sludge from laboratory wastewater plant	Study report (2004)	OECD Guideline 209		
0124-37-5	Calcium nitrate								
	Acute fish toxicity	LC50 mg/l	> 100	96 h	Oncorhynchus mykiss	REACh Registration Dossier	OECD Guideline 203		
	Fish toxicity	NOEC	157 mg/l	32 d	Pimephales promelas	Study report (2009)	other: American Society for Testing Mate		
4-17-5	ethanol, ethyl alcohol								
	Acute fish toxicity	LC50 mg/l	15400	96 h	Lepomis macrochirus	Bulletin of Environmental Contamination	other: EPA-660/3-75-00 9, 1975		
	Acute algae toxicity	ErC50 22000 mg/l	ca.	96 h	Raphidocelis subcapitata	Ecotoxicology and Environmental Safety 7	OECD Guideline 201		
	Acute crustacea toxicity	EC50 mg/l	> 10000	48 h	Daphnia magna	Water Research 23(4): 495-499 (1989)	other: DIN 38412 Teil 11		
	Fish toxicity	NOEC mg/l	> 79	100 d	Oryzias latipes	Environmental Toxicology and Chemistry,	Chronic effects of substance on reproduc		
	Algae toxicity	NOEC mg/l	5400	5 d	Skeletonema costatum	Environ Toxicol Chem 8(5):451-455. (1989	Study to determine the sensitivity of a		

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	Crustacea toxicity	NOEC	2 mg/l	10 c	Ceriodaphnia dubia	Arch Environ Contam Toxicol 20(2):211-21	Follows the basic methodology for the th				
1760-24-3	N-(3-(trimethoxysilyl)prop	N-(3-(trimethoxysilyl)propyl)ethylenediamine									
	Acute fish toxicity	LC50	597 mg/l	96 h	Danio rerio	REACh Registration Dossier	EU Method C.1				
	Acute algae toxicity	ErC50	8,8 mg/l	72 h	Raphidocelis subcapitata	REACh Registration Dossier	OECD Guideline 201				
	Acute crustacea toxicity	EC50	81 mg/l	48 h	Daphnia magna	REACh Registration Dossier	EU Method C.2				

12.2. Persistence and degradability

CAS No	Chemical name							
	Method	Value	d	Sourc	e			
	Evaluation							
1477-55-0	m-phenylenebis(methylamine)							
OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C 49 %								
	Not readily biodegradable (according to OECD criteria)							
64-17-5	ethanol, ethyl alcohol							
		97%	28					
	Readily biodegradable (according to OECD criteria).							

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
1477-55-0	m-phenylenebis(methylamine)	ca. 0,18
64-17-5	ethanol, ethyl alcohol	-0,77
1760-24-3	N-(3-(trimethoxysilyl)propyl)ethylenediamine	-0,3

BCF

CAS No	Chemical name	BCF	Species	Source
1477-55-0	m-phenylenebis(methylamine)	3,16	no data	Validated suite of c
64-17-5	ethanol, ethyl alcohol	1	Cyprinus carpio	Comparative Biochemi

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 substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

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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. No information available.

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Dispose of waste according to applicable legislation.

Contaminated packaging

Non-contaminated packages may be recycled. Dispose of waste according to applicable legislation.

SECTION 14: Transport information

Land transport (ADR/RID)

Land transport (ADR/RID)	
14.1. UN number or ID number:	UN 2735
14.2. UN proper shipping name:	AMINES, LIQUID, CORROSIVE, N.O.S. (m-phenylenebis(methylamine))
14.3. Transport hazard class(es):	8
14.4. Packing group:	II
Hazard label:	8
Classification code:	C7
Special Provisions:	274
Limited quantity:	1 L
Excepted quantity:	E2
Transport category:	2
Hazard No:	80
Tunnel restriction code:	E
Inland waterways transport (ADN)	
14.1. UN number or ID number:	UN 2735
14.2. UN proper shipping name:	AMINES, LIQUID, CORROSIVE, N.O.S. (m-phenylenebis(methylamine))
14.3. Transport hazard class(es):	8
14.4. Packing group:	II
Hazard label:	8
Classification code:	C7
Special Provisions:	274
Limited quantity:	1L
Excepted quantity:	E2
Marine transport (IMDG)	
14.1. UN number or ID number:	UN 2735
14.2. UN proper shipping name:	AMINES, LIQUID, CORROSIVE, N.O.S. (m-phenylenebis(methylamine))
14.3. Transport hazard class(es):	8
Devision No. 1.00 Devloces warrises 1.05	

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IRL - en

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14.4. Packing group:	II			
Hazard label:	8			
Special Provisions:	274			
Limited quantity:	1 L			
Excepted quantity:	E2			
EmS: Segregation group:	F-A, S-B 18 - alkalis			
Air transport (ICAO-TI/IATA-DGR)	UN 2735			
14.1. UN number or ID number:		OSIVE, N.O.S. (m-phenylenebis(methy	lomino))	
<u>14.2. UN proper shipping name:</u> 14.3. Transport hazard class(es):	8		lamme))	
<u>14.4. Packing group:</u>	8 II			
Hazard label:	8			
Special Provisions:	A3 A803			
Limited quantity Passenger:	0.5 L			
Passenger LQ:	Y840			
Excepted quantity:	E2			
IATA-packing instructions - Passenger:	851			
IATA-max. quantity - Passenger:	1 L			
IATA-packing instructions - Cargo:	855	5		
IATA-max. quantity - Cargo:	30 L	L		
14.5. Environmental hazards				
ENVIRONMENTALLY HAZARDOUS:	Yes			
14.6. Special precautions for user				
No information available.				
14.7. Maritime transport in bulk according to	IMO instruments			
No information available.				
SECTION 15: Regulatory information				
15.1. Safety, health and environmental regu	ations/legislation specific	for the substance or mixture		
EU regulatory information				
Restrictions on use (REACH, annex XVII):				
Entry 3, Entry 40, Entry 75				
National regulatory information				
Water hazard class (D):	2 - obviously hazardous t	o water		
15.2. Chemical safety assessment				
For this substance a chemical safety a	ssessment is not required.			
SECTION 16: Other information				

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Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) RID:Règlement international conernat le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association IATA-DGR: Dangerous Goods Refulations by the "International Air Transport Association" (IATA) ICAO: International Civil Aviation Organization ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO) CAS: Chemical Abstracts Service (division of the American Chemical Society) GHS: Globally Harmonized System of Classification and Labelling of Chemicals CLP: Regulation on Classification, Labelling and Packaging of Substances and Mixtures, LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent EC50: Effectice concentration, 50 percent DNEL: Derived No Effect Level PNEC: Predicted No Effect Concentration PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

ClassificationClassification procedureSkin Corr. 1; H314Calculation methodEye Dam. 1; H318Calculation methodSkin Sens. 1; H317Calculation methodAquatic Chronic 2; H411Calculation method

Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.

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