

according to Regulation (EC) No 1907/2006

ARC CS2(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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1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture

For use as a coating on properly prepared surfaces where mild chemical and abrasion exposures are anticipated.

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: DE-85737 Ismaning GERMANY

Telephone: +49 89 99 65 46 - 0 Telefax: +49 89 99 65 46 - 50

e-mail: eu-sds@chesterton.com
e-mail (Contact person): 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:

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:

Acute toxicity: Acute Tox. 4
Acute toxicity: Acute Tox. 4

Skin corrosion/irritation: Skin Corr. 1

Serious eye damage/eye irritation: Eye Dam. 1 Respiratory or skin sensitisation: Skin Sens. 1

Specific target organ toxicity - repeated exposure: STOT RE 2 Hazardous to the aquatic environment: Aquatic Acute 1 Hazardous to the aquatic environment: Aquatic Chronic 1

Hazard Statements: Harmful if swallowed. Harmful if inhaled.

Causes severe skin burns and eye damage.

Causes serious eye damage.

May cause an allergic skin reaction.

May cause damage to organs through prolonged or repeated exposure.

Very toxic to aquatic life.

Very toxic to aquatic life with long lasting effects.



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2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

Fatty acids, tall-oil, reaction products with tetraethylenepentamine Copolymer of benzenamine and formaldehyde, hydrogenated m-phenylenebis(methylamine)

Formaldehyde, oligomeric reaction products with phenol

3,6,9-Triazaundecamethylenediamine

N-(3-(trimethoxysilyl)propyl)ethylenediamine

Signal word: Danger

Pictograms:









Hazard statements

H302+H332 Harmful if swallowed or if inhaled.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H373 May cause damage to organs through prolonged or repeated exposure.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water

or shower

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.

2.3. Other hazards

The safety and health hazards are detailed separately for Part A and Part B. The final cured material is considered nonhazardous. Upon machining, refer to the precautions in the safety data sheets for Part A and Part B.

SECTION 3: Composition/information on ingredients

3.2. Mixtures



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Hazardous components

CAS No	Chemical name				
	EC No	Index No	REACH No		
	GHS Classification				
68953-36-6	Fatty acids, tall-oil, reaction produ	ucts with tetraethylenepen	tamine	25 - < 30 %	
	273-201-6		01-2119487006-38		
	Skin Corr. 1C, Skin Sens. 1, Aqua	atic Acute 1, Aquatic Chro	nic 1; H314 H317 H400 H410		
135108-88-2	Copolymer of benzenamine and f	ormaldehyde, hydrogenat	ed	20 - < 25 %	
	603-894-6		01-2119983522-33		
	Acute Tox. 4, Skin Corr. 1, Skin S H412	ens. 1, STOT RE 2, Aqua	tic Chronic 3; H302 H314 H317 H373		
1477-55-0	m-phenylenebis(methylamine)			15 - < 20 %	
	216-032-5		01-2119480150-50		
	Acute Tox. 4, Acute Tox. 4, Skin C H302 H314 H318 H317 H412 EU				
100-51-6	benzyl alcohol	15 - < 20 %			
	202-859-9	603-057-00-5	01-2119492630-38		
	Acute Tox. 4, Acute Tox. 4, Eye Ir				
9003-35-4	Formaldehyde, oligomeric reaction	10 - < 15 %			
	500-005-2		01-2120735197-51		
	Skin Sens. 1; H317 EUH071				
112-57-2	3,6,9-Triazaundecamethylenedia	mine		1 - < 5 %	
	203-986-2				
	Acute Tox. 4, Acute Tox. 4, Skin C H317 H411				
1760-24-3	N-(3-(trimethoxysilyI)propyI)ethyle	< 1 %			
	217-164-6		01-2119970215-39		
	Acute Tox. 4, Eye Dam. 1, Skin Sens. 1, STOT RE 2; H332 H318 H317 H373				

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

SECTION 4: First aid measures

4.1. Description of first aid measures

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.



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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

Nitrogen oxides (NOx), Ammonia (NH3), Carbon monoxide, Carbon dioxide (CO2).

5.3. Advice for firefighters

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

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

See protective measures under point 7 and 8.

Provide adequate ventilation.

Personal protection equipment: see section 8

Remove persons to safety.

6.2. Environmental precautions

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



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6.3. Methods and material for containment and cleaning up

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

6.4. Reference to other sections

See protective measures under point 7 and 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).

Do not breathe aerosol.

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.

7.2. Conditions for safe storage, including any incompatibilities

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



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DNEL/DMEL values

CAS No	Substance			
DNEL type		Exposure route	Effect	Value
135108-88-2	Copolymer of benzenamine and formaldehy	de, hydrogenated		
Worker DNEL,	long-term	inhalation	systemic	0,2 mg/m³
Worker DNEL,	acute	inhalation	systemic	2 mg/m³
Worker DNEL,	long-term	dermal	systemic	2 mg/kg bw/day
Worker DNEL,	acute	dermal	systemic	6 mg/kg bw/day
,				
1477-55-0	m-phenylenebis(methylamine)			
Worker DNEL,	long-term	dermal	systemic	0,33 mg/kg bw/day
Worker DNEL,	long-term	inhalation	local	0,2 mg/m³
Worker DNEL,	long-term	inhalation	systemic	1,2 mg/m³
100-51-6	benzyl alcohol			
Worker DNEL,	long-term	inhalation	systemic	22 mg/m³
Worker DNEL,	acute	inhalation	systemic	110 mg/m³
Worker DNEL,	long-term	dermal	systemic	8 mg/kg bw/day
Worker DNEL,	acute	dermal	systemic	40 mg/kg bw/day
Consumer DN	EL, long-term	inhalation	systemic	5,4 mg/m³
Consumer DNEL, acute		inhalation	systemic	27 mg/m³
Consumer DN	EL, long-term	dermal	systemic	4 mg/kg bw/day
Consumer DN	EL, acute	dermal	systemic	20 mg/kg bw/day
Consumer DN	EL, long-term	oral	systemic	4 mg/kg bw/day
Consumer DN	EL, acute	oral	systemic	20 mg/kg bw/day
,				
9003-35-4	Formaldehyde, oligomeric reaction products	with phenol		
Worker DNEL,	long-term	inhalation	systemic	98,7 mg/m³
Worker DNEL,	long-term	dermal	systemic	28 mg/kg bw/day
Consumer DN	EL, long-term	inhalation	systemic	14,8 mg/m³
Consumer DNEL, long-term		dermal	systemic	10 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	10 mg/kg bw/day
1760-24-3	N-(3-(trimethoxysilyl)propyl)ethylenediamine			
Worker DNEL,	long-term	inhalation	systemic	35,3 mg/m³
Worker DNEL, acute		inhalation	systemic	35,3 mg/m³
Worker DNEL,	long-term	dermal	systemic	5 mg/kg bw/day
Worker DNEL, acute		dermal	systemic	5 mg/kg bw/day



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PNEC values

CAS No	Substance	
Environmenta	ll compartment	Value
135108-88-2	Copolymer of benzenamine and formaldehyde, hydrogenated	
Freshwater	0,015 mg/l	
Freshwater (ir	ntermittent releases)	0,15 mg/l
Marine water		0,002 mg/l
Freshwater se	ediment	15 mg/kg
Marine sedim	ent	1,5 mg/kg
Micro-organis	ms in sewage treatment plants (STP)	1,9 mg/l
Soil		1,8 mg/kg
1477-55-0	m-phenylenebis(methylamine)	
Freshwater		0,094 mg/l
Marine water		0,009 mg/l
Freshwater se	ediment	0,43 mg/kg
Marine sedim	ent	0,043 mg/kg
Micro-organis	ms in sewage treatment plants (STP)	10 mg/l
Soil		0,045 mg/kg
100-51-6	benzyl alcohol	
Freshwater		1 mg/l
Freshwater (intermittent releases)		2,3 mg/l
Marine water		
Freshwater sediment 5,27 mg		
Marine sediment 0,527		0,527 mg/kg
Micro-organis	ms in sewage treatment plants (STP)	39 mg/l
Soil		0,456 mg/kg
9003-35-4	Formaldehyde, oligomeric reaction products with phenol	
Freshwater		0,172 mg/l
Freshwater (ir	ntermittent releases)	1,72 mg/l
Marine water		0,0172 mg/l
Freshwater sediment		0,647 mg/kg
Marine sediment		0,0647 mg/kg
Soil 0,0284		
1760-24-3	N-(3-(trimethoxysilyl)propyl)ethylenediamine	
Freshwater 0,062 mg/		
Marine water 0,006 mg		
Freshwater se	ediment	0,22 mg/kg



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Marine sediment	0,022 mg/kg
Soil	0,009 mg/kg

8.2. Exposure controls

Appropriate engineering controls

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

Protective and hygiene measures

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.

Eye/face protection

Suitable eye protection:

Eye glasses with side protection

goggles

Hand protection

Tested protective gloves must be worn (DIN EN 374)

Suitable gloves type: NBR (Nitrile rubber), Butyl caoutchouc (butyl rubber)

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

(maximum wearing time): >480 min

Wearing time with occasional contact (splashes): Thickness of the glove material: >= 0,4 mm, Breakthrough

time (maximum wearing 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.

Wear cotton undermitten if possible.

Skin protection

Protective clothing

Respiratory protection

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

Combination filtering device (EN 14387) A-P3

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Paste Colour: beige Odour: like: Amines

Test method

pH-Value: not determined

Changes in the physical state

not determined Melting point: >65 °C Flash point:

Flammability



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Solid: not determined
Gas: not determined

Explosive properties

No information available.

Lower explosion limits:

Upper explosion limits:

Ignition temperature:

not applicable

not applicable

Auto-ignition temperature

Solid: not determined Gas: not determined

Decomposition temperature: not determined ASTM D 2879-86

Oxidizing properties

No information available.

Vapour pressure: not determined

Density: ~1,03 g/cm³

Water solubility: Immiscible

Solubility in other solvents

No information available.

Partition coefficient: not determined
Viscosity / dynamic: ~900 mPa·s

(at 23 °C)

Vapour density: >1 (Air=1)
Evaporation rate: <1 (Ether=1)

9.2. Other 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

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

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid

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

10.5. Incompatible materials

Strong alkali, Oxidising agent



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10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Harmful if swallowed or if inhaled.

ATEmix calculated

ATE (oral) 1100,2 mg/kg; ATE (inhalation aerosol) 3,946 mg/l



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CAS No	Chemical name					
	Exposure route	Dose		Species	Source	Method
135108-88-2	Copolymer of benzenam	ine and form	aldehyde, hy	vdrogenated		
	oral	LD50 mg/kg	368	Rat	Study report (1995)	EU Method B.1 bis
	dermal	LD50 mg/kg	> 1000	Rabbit	Study report (1988)	other: 40CFR Part 158 Series 81-2, EPA P
1477-55-0	m-phenylenebis(methyla	mine)				
	oral	LD50 mg/kg	1180	Mouse	OECD Guideline 401	
	dermal	LD50 mg/kg	> 3100	Rabbit	TK 11813 was applied	
	inhalation vapour	ATE	11 mg/l			
	inhalation (4 h) aerosol	LC50	1,34 mg/l	Rat		
100-51-6	benzyl alcohol					
	oral	LD50 mg/kg	1580	Mouse	Cosmet. Toxicol. 11, 1011-1013 (1973) (1	OECD Guideline 401
	inhalation vapour	ATE	11 mg/l			
	inhalation (4 h) aerosol	LC50 mg/l	>4,178	Rat	ECHA	OECD 403
9003-35-4	Formaldehyde, oligomeric reaction products with phenol					
	oral	LD50 mg/kg	> 5000	Rat	ChemID plus A TOXNET DATABASE.2017 (2017	other: As mentioned below
	dermal	LD50 mg/kg	> 2000	Rat	ChemID plus A TOXNET DATABASE.2017 (2017	other: As mentioned below
112-57-2	3,6,9-Triazaundecamethy	ylenediamine	e			
	oral	ATE mg/kg	500			
	dermal	ATE mg/kg	1100			
1760-24-3	N-(3-(trimethoxysilyI)prop	yl)ethylened	diamine			
	inhalation vapour	ATE	11 mg/l			
	inhalation aerosol	ATE	1,5 mg/l			

Irritation and corrosivity

Causes severe skin burns and eye damage.

Sensitising effects



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May cause an allergic skin reaction. (Fatty acids, tall-oil, reaction products with tetraethylenepentamine; Copolymer of benzenamine and formaldehyde, hydrogenated; m-phenylenebis(methylamine); Formaldehyde, oligomeric reaction products with phenol; 3,6,9-Triazaundecamethylenediamine; 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

May cause damage to organs through prolonged or repeated exposure. (Copolymer of benzenamine and formaldehyde, hydrogenated)

Aspiration hazard

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

SECTION 12: Ecological information

12.1. Toxicity



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CAS No	Chemical name						
	Aquatic toxicity	Dose		[h] [d]	Species	Source	Method
135108-88-2	Copolymer of benzenamine and formaldehyde, hydrogenated						
	Acute fish toxicity	LC50	63 mg/l	96 h	Poecilia reticulata	REACh Registration Dossier	OECD Guideline 203
	Acute algae toxicity	ErC50 mg/l	43,94	72 h	Desmodesmus subspicatus	Study report (2012)	EU Method C.3
1477-55-0	m-phenylenebis(methylan	nine)					
	Acute fish toxicity	LC50 mg/l	87,6	96 h	Oryzias latipes (Ricefish)		
	Acute algae toxicity	ErC50 mg/l	20,3	72 h	Selenastrum capricornutum		
	Acute crustacea toxicity	EC50 mg/l	15,2	48 h	Daphnia magna (Big water flea)		
	Algea toxicity	NOEC mg/l	10,5	3 d	Selenastrum capricornutum		
	Crustacea toxicity	NOEC	4,7 mg/l	21 d	Daphnia magna (Big water flea)		
100-51-6	benzyl alcohol						
	Acute fish toxicity	LC50 mg/l	> 100	96 h	Oryzias latipes	Review article or handbook (2009)	OECD Guideline 203
	Acute algae toxicity	ErC50	770 mg/l	72 h	Pseudokirchneriella subcapitata	Review article or handbook (2009)	OECD Guideline 201
	Acute crustacea toxicity	EC50	230 mg/l	48 h	Daphnia magna	Review article or handbook (2009)	OECD Guideline 202
	Fish toxicity	NOEC mg/l	48,897	30 d	Fish species	http://epa.gov/oppt /exposure/pubs/ep isui	other: QSAR
	Algea toxicity	NOEC	51 mg/l	3 d			
	Crustacea toxicity	NOEC	51 mg/l	21 d	Daphnia magna	Review article or handbook (2009)	OECD Guideline 211
	Acute bacteria toxicity	(1385 m	g/l)	3 h	activated sludge, domestic	Study report (1989)	OECD Guideline 209
9003-35-4	Formaldehyde, oligomeric	reaction p	roducts with p	henol			
	Acute crustacea toxicity	EC50	172 mg/l	48 h	Daphnia pulex	REACh Registration Dossier	OECD Guideline 202

12.2. Persistence and degradability



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CAS No	Chemical name					
	Method	Value	d	Source		
	Evaluation	-	-			
1477-55-0	m-phenylenebis(methylamine)					
	OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C	49 %	28			
	Not readily biodegradable (according to OECD criteria)					
100-51-6	benzyl alcohol					
	OECD 301A/ ISO 7827/ EEC 92/69/V, C.4-A	95 - 97%	21			
	Readily biodegradable (according to OECD criteria).					

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
135108-88-2	Copolymer of benzenamine and formaldehyde, hydrogenated	2,68
1477-55-0	m-phenylenebis(methylamine)	0,18
100-51-6	benzyl alcohol	1
9003-35-4	Formaldehyde, oligomeric reaction products with phenol	> 2,1 - < 2,34

BCF

CAS No	Chemical name	BCF	Species	Source
135108-88-2	Copolymer of benzenamine and formaldehyde, hydrogenated	> 18 - < 22	Cyprinus carpio	Study report (1997)
1477-55-0	m-phenylenebis(methylamine)	<0,3		
100-51-6	benzyl alcohol	1,371	QSAR model	http://epa.gov/oppt/

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.

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

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)

14.1. UN number: UN 2735



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14.2. UN proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S. (Copolymer of benzenamine and

formaldehyde, hydrogenated)

14.3. Transport hazard class(es): 14.4. Packing group: Ш Hazard label: 8 Classification code: C7 Special Provisions: 274 Limited quantity: 5 L Excepted quantity: E1 Transport category: 3 Hazard No: 80 Tunnel restriction code: Ε

Inland waterways transport (ADN)

14.1. UN number: UN 2735

14.2. UN proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S. (Copolymer of benzenamine and

formaldehyde, hydrogenated)

14.3. Transport hazard class(es):814.4. Packing group:IIIHazard label:8Classification code:C7Special Provisions:274Limited quantity:5 L

Excepted quantity:

Marine transport (IMDG)

14.1. UN number: UN 2735

14.2. UN proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S. (Copolymer of benzenamine and

formaldehyde, hydrogenated)

E1

14.3. Transport hazard class(es): 8 Ш 14.4. Packing group: 8 Hazard label: PP Marine pollutant: Special Provisions: 223, 274 Limited quantity: 5 L Excepted quantity: E1 F-A, S-B EmS: Segregation group: alkalis

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: UN 2735

14.2. UN proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S. (Copolymer of benzenamine and

formaldehyde, hydrogenated)

14.3. Transport hazard class(es): 8
14.4. Packing group: III



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Hazard label: 8

Special Provisions:

Limited quantity Passenger:

Passenger LQ:

Excepted quantity:

A3 A803

1 L

Y841

Excepted quantity:

E1

IATA-packing instructions - Passenger:852IATA-max. quantity - Passenger:5 LIATA-packing instructions - Cargo:856IATA-max. quantity - Cargo:60 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: yes

Danger releasing substance: Fatty acids, tall-oil, reaction products with tetraethylenepentamine

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.

SECTION 15: Regulatory information

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

EU regulatory information

Information according to 2012/18/EU

(SEVESO III):

E1 Hazardous to the Aquatic Environment

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. Observe employment restrictions for women of

child-bearing age.

Water contaminating class (D): 2 - clearly water contaminating

15.2. Chemical safety assessment

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

Copolymer of benzenamine and formaldehyde, hydrogenated

m-phenylenebis(methylamine)

benzyl alcohol

N-(3-(trimethoxysilyl)propyl)ethylenediamine

SECTION 16: Other information

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



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(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]

Classification	Classification procedure
Acute Tox. 4; H302	Calculation method
Acute Tox. 4; H332	Calculation method
Skin Corr. 1; H314	Calculation method
Eye Dam. 1; H318	Calculation method
Skin Sens. 1; H317	Calculation method
STOT RE 2; H373	Calculation method
Aquatic Acute 1; H400	Calculation method
Aquatic Chronic 1; H410	Calculation method

Relevant H and EUH statements (number and full text)

H302	Harmful if swallowed.
H302+H332	Harmful if swallowed or if inhaled.
H312	Harmful in contact with skin.
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.
H373	May cause damage to organs through prolonged or repeated exposure.
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.

Further Information

This information is based solely on data privided by suppliers of the materials used, not on the mixture itself. No warranty is expressed or implied regarding the suitability of the product for the user's particular purpose.



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The user must make their own determination as to suitability.

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