

Safety Data Sheet

according to (EC) No 1907/2006

EH 115 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**

Primer and mortar resin

Uses advised against

The product is intended for professional use.

1.3. Details of the supplier of the safety data sheet

Company name:	PAGEL Spezial-Beton GmbH & Co. KG	
Street:	Wolfsbankring 9	
Place:	D-45355 Essen	
Telephone:	+49 (0) 201/68504-0	Telefax: +49 (0) 201/68504-31
Internet:	http://www.pagel.com	
Responsible Department:	Abteilung Labor schempershofe@pagel.de, labor@pagel.de	
1.4. Emergency telephone number:	+49 (0) 6131-19240	

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Acute Tox. 4; H302
 Acute Tox. 4; H332
 Skin Corr. 1B; H314
 Eye Dam. 1; H318
 Skin Sens. 1; H317
 Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

2.2. Label elements**Regulation (EC) No. 1272/2008****Hazard components for labelling**

benzyl alcohol
 3-aminomethyl-3,5,5-trimethylcyclohexylamine
 1,3-Bis(aminomethyl)benzene, m-xylylenediamine
 3-aminopropyl-dimethylamine, N,N-dimethyl-1,3-diaminopropane
 2,4,6-tris(dimethylaminomethyl)phenol
 Phenol, styrenated
 Amines, polyethylenepoly-, triethylenetetramine fraction

Signal word: Danger**Pictograms:****Hazard statements**

H302+H332 Harmful if swallowed or if inhaled.
 H314 Causes severe skin burns and eye damage.

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H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
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.

Special labelling of certain mixtures

EUH071 Corrosive to the respiratory tract.
Restricted to professional users.

2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.
This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Chemical characterization**

formulated polyamine hardener

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Relevant ingredients

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No. 1272/2008)			
100-51-6	benzyl alcohol			25 - < 30 %
	202-859-9	603-057-00-5	01-2119492630-38	
	Acute Tox. 4, Acute Tox. 4, Eye Irrit. 2; H332 H302 H319			
2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine			10 - < 15 %
	220-666-8	612-067-00-9	01-2119514687-32	
	Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Skin Sens. 1A; H302 H314 H318 H317			
1477-55-0	1,3-Bis(aminomethyl)benzene, m-xylylenediamine			5 - < 10 %
	216-032-5		01-2119480150-50	
	Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Skin Sens. 1B, Aquatic Chronic 3; H332 H302 H314 H318 H317 H412 EUH071			
68609-08-5	Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl-, reaction products with bisphenol A diglycidyl etherhomopolymer			5 - < 10 %
	614-657-1			
	Skin Corr. 1B, Eye Dam. 1; H314 H318			
109-55-7	3-aminopropylidimethylamine, N,N-dimethyl-1,3-diaminopropane			5 - < 10 %
	203-680-9	612-061-00-6	01-2119486842-27	
	Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Skin Sens. 1, STOT SE 3; H226 H312 H302 H314 H318 H317 H335			
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol			1 - < 5 %
	202-013-9	603-069-00-0	01-2119560597-27	
	Acute Tox. 4, Skin Corr. 1C, Eye Dam. 1; H302 H314 H318			
69-72-7	salicylic acid			1 - < 5 %
	200-712-3	607-732-00-5	01-2119486984-17	
	Repr. 2, Acute Tox. 4, Eye Dam. 1; H361d H302 H318			
61788-44-1	Phenol, styrenated			1 - < 5 %
	262-975-0		01-2119980970-27	
	Skin Irrit. 2, Skin Sens. 1A, Aquatic Chronic 2; H315 H317 H411			
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol			1 - < 5 %
	202-013-9	603-069-00-0	01-2119560597-27	
	Acute Tox. 4, Skin Corr. 1C, Eye Dam. 1, Skin Sens. 1B; H302 H314 H318 H317			
90640-67-8	Amines, polyethylenepoly-, triethylenetetramine fraction			1 - < 5 %
	292-588-2		01-2119487919-13	
	Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Skin Sens. 1, Aquatic Chronic 3; H312 H302 H314 H318 H317 H412 EUH071			

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

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Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
100-51-6	202-859-9	benzyl alcohol	25 - < 30 %
		inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); oral: LD50 = 1570 mg/kg	
2855-13-2	220-666-8	3-aminomethyl-3,5,5-trimethylcyclohexylamine	10 - < 15 %
		inhalation: LC50 = >5,01 mg/l (dusts or mists); oral: ATE 1030 mg/kg Skin Sens. 1A; H317: >= 0,001 - 100	
1477-55-0	216-032-5	1,3-Bis(aminomethyl)benzene, m-xylylenediamine	5 - < 10 %
		inhalation: ATE = 11 mg/l (vapours); inhalation: LC50 = 1,34 mg/l (dusts or mists); dermal: LD50 = >3100 mg/kg; oral: LD50 = 930 mg/kg	
109-55-7	203-680-9	3-aminopropyl-dimethylamine, N,N-dimethyl-1,3-diaminopropane	5 - < 10 %
		inhalation: LC50 = 24,8 mg/l (vapours); dermal: ATE = 1100 mg/kg; oral: LD50 = 410 mg/kg	
90-72-2	202-013-9	2,4,6-tris(dimethylaminomethyl)phenol	1 - < 5 %
		oral: ATE = 500 mg/kg	
69-72-7	200-712-3	salicylic acid	1 - < 5 %
		dermal: LD50 = > 10000 mg/kg; oral: LD50 = 891 mg/kg	
61788-44-1	262-975-0	Phenol, styrenated	1 - < 5 %
		dermal: LD50 = >2000 mg/kg; oral: LD50 = >2000 mg/kg	
90-72-2	202-013-9	2,4,6-tris(dimethylaminomethyl)phenol	1 - < 5 %
		oral: ATE = 500 mg/kg	
90640-67-8	292-588-2	Amines, polyethylenepoly-, triethylenetetramine fraction	1 - < 5 %
		dermal: LD50 = 1465 mg/kg; oral: LD50 = 1716 mg/kg	

Further Information

No information available.

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

First aider: Pay attention to self-protection! Remove affected person from the danger area and lay down. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In all cases of doubt, or when symptoms persist, seek medical advice.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. Medical treatment necessary.

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

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Adverse human health effects and symptoms: Gastric perforation. Call a physician immediately.

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

No information available.

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

Treat symptomatically.

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SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings. Carbon dioxide (CO₂). Foam. Extinguishing powder.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Non-flammable.

5.3. Advice for firefighters

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

Additional information

Suppress gases/vapours/mists with water spray jet. 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. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

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**

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**

Wear personal protection equipment (refer to section 8). Do not breathe gas/fumes/vapour/spray.

Advice on protection against fire and explosion

Usual measures for fire prevention.

Advice on general occupational hygiene

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme.

Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaust at critical locations.

Hints on joint storage

For more information about together and separate storage: refer to TRGS 510

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Further information on storage conditions

Recommended storage temperature: 10 - 30 °C
 Keep/Store only in original container.
 Store in a dry place.

7.3. Specific end use(s)

Further remarks:
 Information System of the Professional Association of construction industry see on www.gisbau.de

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****DNEL/DMEL values**

CAS No	Substance	Exposure route	Effect	Value
100-51-6	benzyl alcohol			
Worker DNEL, long-term		inhalation	systemic	22 mg/m ³
Worker DNEL, acute		inhalation	systemic	110 mg/m ³
Worker DNEL, long-term		dermal	systemic	8 mg/kg bw/day
Worker DNEL, acute		dermal	systemic	40 mg/kg bw/day
2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine			
Worker DNEL, long-term		inhalation	local	0,073 mg/m ³
Worker DNEL, acute		inhalation	local	0,073 mg/m ³
1477-55-0	1,3-Bis(aminomethyl)benzene, m-xyllylenediamine			
Worker DNEL, long-term		inhalation	systemic	1,2 mg/m ³
Worker DNEL, long-term		inhalation	local	0,2 mg/m ³
Worker DNEL, long-term		dermal	systemic	0,33 mg/kg bw/day
109-55-7	3-aminopropyldimethylamine, N,N-dimethyl-1,3-diaminopropane			
Worker DNEL, long-term		inhalation	systemic	1,2 mg/m ³
69-72-7	salicylic acid			
Worker DNEL, long-term		inhalation	systemic	5 mg/m ³
Worker DNEL, long-term		inhalation	local	5 mg/m ³
Worker DNEL, long-term		dermal	systemic	2,3 mg/kg bw/day
61788-44-1	Phenol, styrenated			
Worker DNEL, long-term		inhalation	systemic	7,4 mg/m ³
Worker DNEL, long-term		dermal	systemic	2,1 mg/kg bw/day
90640-67-8	Amines, polyethylenepoly-, triethylenetetramine fraction			
Worker DNEL, long-term		inhalation	systemic	0,54 mg/m ³

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PNEC values

CAS No	Substance	Value
Environmental compartment		
100-51-6	benzyl alcohol	
Freshwater		
		1 mg/l
Marine water		
		0,1 mg/l
Freshwater sediment		
		5,27 mg/kg
Marine sediment		
		0,527 mg/kg
Soil		
		0,456 mg/kg
2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine	
Freshwater		
		0,06 mg/l
Marine water		
		0,006 mg/l
Freshwater sediment		
		5,784 mg/l
Marine sediment		
		0,578 mg/l
Soil		
		1,121 mg/l
1477-55-0	1,3-Bis(aminomethyl)benzene, m-xylylenediamine	
Freshwater		
		0,094 mg/l
Marine water		
		0,009 mg/l
Freshwater sediment		
		12,4 mg/kg
Marine sediment		
		1,24 mg/kg
Soil		
		2,44 mg/kg
109-55-7	3-aminopropyldimethylamine, N,N-dimethyl-1,3-diaminopropane	
Freshwater		
		0,073 mg/l
Marine water		
		0,007 mg/l
Freshwater sediment		
		0,735 mg/kg
Marine sediment		
		0,073 mg/kg
Soil		
		0,104 mg/kg
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol	
Freshwater		
		0,046 mg/l
Marine water		
		0,005 mg/l
Freshwater sediment		
		0,262 mg/kg
Marine sediment		
		0,026 mg/kg
Soil		
		0,025 mg/kg
69-72-7	salicylic acid	
Freshwater		
		0,2 mg/l
Marine water		
		0,02 mg/l
Freshwater sediment		
		1,42 mg/kg
Marine sediment		
		0,142 mg/kg
Soil		
		0,166 mg/kg
61788-44-1	Phenol, styrenated	
Freshwater		
		0,015 mg/l
Marine water		
		0,014 mg/l

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Freshwater sediment	0,132 mg/kg
Marine sediment	0,125 mg/kg
Soil	0,018 mg/kg
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol
Freshwater	0,046 mg/l
Marine water	0,005 mg/l
Freshwater sediment	0,262 mg/kg
Marine sediment	0,026 mg/kg
Soil	0,025 mg/kg
90640-67-8	Amines, polyethylenepoly-, triethylenetetramine fraction
Freshwater	0,027 mg/l
Marine water	0,003 mg/l
Freshwater sediment	8,572 mg/kg
Marine sediment	0,857 mg/kg
Soil	1,25 mg/kg

8.2. Exposure controls**Appropriate engineering controls**

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means. Do not breathe gas/fumes/vapour/spray.

Individual protection measures, such as personal protective equipment**Eye/face protection**

Suitable eye protection: goggles. (EN 166)

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. 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. Recommendation to EN 374: For short time use or protection against splashes: Butyl rubber / nitrile rubber (0.4 mm), contaminated gloves should be changed and disposed. Suitable for permanent exposure: Viton gloves (0.4 mm) Break through time > 30 min.

Skin protection

Wear suitable protective clothing. Recommendation: Safety shoes according to EN ISO 20345, long pants and long-sleeved work shirt; with mixing and stirring work additional rubber apron and protective boots according to EN 14605

Respiratory protection

To follow: EN 689 - Methods for determining inhalation exposure In case of inadequate ventilation wear respiratory protection. Organic vapor filter (Type A) The selection of respirators (EN 14387) must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits (sections 8.1) of the selected respirator.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state: liquid
 Colour: dark yellow
 Odour: Amine-like

Melting point/freezing point:

Test method
 not determined

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Boiling point or initial boiling point and boiling range:	not determined
Flammability:	not determined
Lower explosion limits:	not determined
Upper explosion limits:	not determined
Flash point:	88,5 °C DIN EN ISO 2719
Auto-ignition temperature:	No information available.
Decomposition temperature:	No information available.
pH-Value:	No information available.
Viscosity / kinematic:	not determined
Water solubility:	No information available.
Solubility in other solvents	
No information available.	
Dissolution rate:	not determined
Partition coefficient n-octanol/water:	No information available.
Vapour pressure:	No information available.
Density (at 23 °C):	ca. 1,02 g/cm ³ ISO 2811-2
Relative vapour density:	No information available.
Particle characteristics:	not determined

9.2. Other information**Information with regard to physical hazard classes**

- Explosive properties
 No information available.
- Oxidizing properties
 No information available.

Other safety characteristics

- Evaporation rate: No information available.
- Sublimation point: not determined
- Softening point: not determined
- Pour point: not determined
- Viscosity / dynamic:
(at 25 °C) 225 - 335 mPa·s ISO 2884-1

SECTION 10: Stability and reactivity**10.1. Reactivity**

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid

none

10.5. Incompatible materials

Acid, Oxidising agent

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in Regulation (EC) No. 1272/2008**

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Acute toxicity

Harmful if swallowed.

Harmful if inhaled.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
100-51-6	benzyl alcohol				
	oral	LD50 1570 mg/kg	Rat	ECHA Dossier	
	inhalation vapour	ATE 11 mg/l			
	inhalation dust/mist	ATE 1,5 mg/l			
2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine				
	oral	ATE 1030 mg/kg			
	inhalation (4 h) dust/mist	LC50 >5,01 mg/l	Rat (OECD 403)	ECHA Dossier	
1477-55-0	1,3-Bis(aminomethyl)benzene, m-xylylenediamine				
	oral	LD50 930 mg/kg	Rat (OECD 401)	ECHA Dossier	
	dermal	LD50 >3100 mg/kg	Rat (OECD 402)	ECHA Dossier	
	inhalation vapour	ATE 11 mg/l			
	inhalation (4 h) dust/mist	LC50 1,34 mg/l	Rat (OECD 403)	ECHA Dossier	
109-55-7	3-aminopropylidimethylamine, N,N-dimethyl-1,3-diaminopropane				
	oral	LD50 410 mg/kg	Rat (OECD 401)	ECHA Dossier	
	dermal	ATE 1100 mg/kg			
	inhalation (4 h) vapour	LC50 24,8 mg/l	Rat	ECHA Dossier	
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol				
	oral	ATE 500 mg/kg			
69-72-7	salicylic acid				
	oral	LD50 891 mg/kg	Rat (OECD 401)		
	dermal	LD50 > 10000 mg/kg	Rabbit (OECD 402)		
61788-44-1	Phenol, styrenated				
	oral	LD50 >2000 mg/kg	Rat	ECHA Dossier	
	dermal	LD50 >2000 mg/kg	Rat	ECHA Dossier	
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol				
	oral	ATE 500 mg/kg			
90640-67-8	Amines, polyethylenepoly-, triethylenetetramine fraction				
	oral	LD50 1716 mg/kg	Rat (OECD 401)	ECHA Dossier	
	dermal	LD50 1465 mg/kg	Rabbit (OECD 402)	ECHA Dossier	

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Irritation and corrosivity

Skin corrosion/irritation: Causes severe skin burns and eye damage.

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

Corrosive to the respiratory tract.

Sensitising effects

May cause an allergic skin reaction. (3-aminomethyl-3,5,5-trimethylcyclohexylamine; 1,3-Bis(aminomethyl)benzene, m-xylylenediamine; 3-aminopropyltrimethylamine, N,N-dimethyl-1,3-diaminopropane; Phenol, styrenated; 2,4,6-tris(dimethylaminomethyl)phenol; Amines, polyethylenepoly-, triethylenetetramine fraction)

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.

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

Harmful to aquatic life with long lasting effects.

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
1477-55-0	1,3-Bis(aminomethyl)benzene, m-xylylenediamine					
	Acute fish toxicity	LC50 mg/l	87,6	96 h	Oryzias latipes (OECD 203)	ECHA Dossier
	Acute algae toxicity	ErC50 mg/l	20,3	72 h	Pseudokirchnerella subcapitata (OECD 201)	ECHA Dossier
	Acute crustacea toxicity	EC50 mg/l	15,2	48 h	Daphnia magna (OECD 202)	ECHA Dossier
109-55-7	3-aminopropyl-dimethylamine, N,N-dimethyl-1,3-diaminopropane					
	Acute fish toxicity	LC50	122 mg/l	96 h	Leuciscus idus melanotus (OECD 203)	ECHA Dossier
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol					
	Acute fish toxicity	LC50	175 mg/l	96 h	Cyprinus carpio	ECHA Dossier
	Acute crustacea toxicity	EC50	718 mg/l	48 h	Palaemonetes vulgaris	ECHA Dossier
61788-44-1	Phenol, styrenated					
	Acute fish toxicity	LC50	5,6 mg/l	96 h	Oryzias latipes (OECD 203)	ECHA Dossier
	Acute crustacea toxicity	EC50	4,6 mg/l	48 h	Daphnia magna (OECD 202)	ECHA Dossier
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol					
	Acute fish toxicity	LC50	175 mg/l	96 h	Cyprinus carpio	ECHA Dossier
	Acute crustacea toxicity	EC50	718 mg/l	48 h	Palaemonetes vulgaris	ECHA Dossier
90640-67-8	Amines, polyethylenepoly-, triethylenetetramine fraction					
	Acute algae toxicity	ErC50	20 mg/l	72 h	Pseudokirchnerella subcapitata (OECD 201)	ECHA Dossier
	Acute crustacea toxicity	EC50 mg/l	31,1	48 h	Daphnia magna	ECHA Dossier

12.2. Persistence and degradability

The product has not been tested.

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CAS No	Chemical name	Method	Value	d	Source
		Evaluation			
100-51-6	benzyl alcohol				
		OECD 301D/ EEC 92/69/V, C.4-E	95%	28	ECHA Dossier
		Readily biodegradable (according to OECD criteria).			
2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine				
		Biodegradation	8%	28	ECHA Dossier
		Not readily biodegradable (according to OECD criteria)			
1477-55-0	1,3-Bis(aminomethyl)benzene, m-xylylenediamine				
		OECD 301 B	49%	28	ECHA Dossier
		Not readily biodegradable (according to OECD criteria)			
109-55-7	3-aminopropylidimethylamine, N,N-dimethyl-1,3-diaminopropane				
		OECD 301A/ ISO 7827/ EEC 92/69/V, C.4-A	90-100%	28	ECHA Dossier
		Readily biodegradable (according to OECD criteria).			
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol				
		OECD 301D/ EEC 92/69/V, C.4-E	4%	28	ECHA Dossier
		Not easily bio-degradable (according to OECD-criteria).			
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol				
		OECD 301D/ EEC 92/69/V, C.4-E	4%	28	ECHA Dossier
		Not easily bio-degradable (according to OECD-criteria).			

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
100-51-6	benzyl alcohol	1,1
1477-55-0	1,3-Bis(aminomethyl)benzene, m-xylylenediamine	0,18
109-55-7	3-aminopropylidimethylamine, N,N-dimethyl-1,3-diaminopropane	-0,352
90640-67-8	Amines, polyethylenepoly-, triethylenetetramine fraction	-2,65

BCF

CAS No	Chemical name	BCF	Species	Source
61788-44-1	Phenol, styrenated	69-190		

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

The product has not been tested.

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

No information available.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste

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according to applicable legislation.

List of Wastes Code - residues/unused products

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other hazardous substances; hazardous waste

List of Wastes Code - used product

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other hazardous substances; hazardous waste

List of Wastes Code - contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

Contaminated packaging

This material and its container must be disposed of as hazardous waste. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information**Land transport (ADR/RID)**

14.1. UN number or ID number:	UN 2735
14.2. UN proper shipping name:	POLYAMINES, LIQUID, CORROSIVE, N.O.S. (m-xylylene diamine; Isophorone diamine)
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

Marine transport (IMDG)

14.1. UN number or ID number:	UN 2735
14.2. UN proper shipping name:	POLYAMINES, LIQUID, CORROSIVE, N.O.S. (1,3-Bis(aminomethyl)benzene, m-xylylenediamine; 3-aminomethyl-3,5,5-trimethylcyclohexylamine)
14.3. Transport hazard class(es):	8
14.4. Packing group:	II
Hazard label:	8
Marine pollutant:	No
Special Provisions:	274
Limited quantity:	1 L
Excepted quantity:	E2
EmS:	F-A, S-B

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No information available.

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14.7. Maritime transport in bulk according to IMO instruments

not applicable

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:

VOC content (g/L), delivery state: < 500

Subcategory according to Directive
2004/42/EC:Two-pack reactive performance coatings for specific end use such as
floors - Solvent-borne coatings, VOC limit value: 500 g/lInformation according to Directive
2012/18/EU (SEVESO III):

Not subject to 2012/18/EU (SEVESO III)

Additional information

Prohibition/Restriction:

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances,
preparations and articles (Annex XVII): 3, 40, 75REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). None of the
components are listed (=> 0.1 %).

REACH - List of substances subject to authorisation (Annex XIV): not applicable

REACH Information: All substances contained in our Products are preregistered or registered by our upstream
suppliers, and/or preregistered or registered by us, and/or excluded from the regulation, and/or exempted from
the registration.**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):

2 - obviously hazardous to water

Skin resorption/Sensitization:

Causes allergic hypersensitivity reactions.

15.2. Chemical safety assessment

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

benzyl alcohol

3-aminomethyl-3,5,5-trimethylcyclohexylamine

1,3-Bis(aminomethyl)benzene, m-xylylenediamine

3-aminopropyl-dimethylamine, N,N-dimethyl-1,3-diaminopropane

2,4,6-tris(dimethylaminomethyl)phenol

Phenol, styrenated

2,4,6-tris(dimethylaminomethyl)phenol

SECTION 16: Other information**Changes**

This data sheet contains changes from the previous version in section(s): 1,9.

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Abbreviations and acronyms

Flam. Liq: Flammable liquids
 Acute Tox: Acute toxicity
 Skin Corr: Skin corrosion
 Skin Irrit: Skin irritation
 Eye Dam: Eye damage
 Eye Irrit: Eye irritation
 Skin Sens: Skin sensitisation
 Repr: Reproductive toxicity
 STOT SE: Specific target organ toxicity - single 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

Classification	Classification procedure
Acute Tox. 4; H302	Calculation method
Acute Tox. 4; H332	Calculation method
Skin Corr. 1B; H314	Calculation method
Eye Dam. 1; H318	Calculation method
Skin Sens. 1; H317	Calculation method
Aquatic Chronic 3; H412	Calculation method

Relevant H and EUH statements (number and full text)

H226 Flammable liquid and vapour.
 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.
 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.
 H361d Suspected of damaging the unborn child.
 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

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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