

Safety Data Sheet

according to Regulation (EC) No 1907/2006

EH 115 B

Revision date: 16.03.2021

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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**

Hazard categories:

Acute toxicity: Acute Tox. 4

Acute toxicity: Acute Tox. 4

Skin corrosion/irritation: Skin Corr. 1B

Serious eye damage/eye irritation: Eye Dam. 1

Respiratory or skin sensitisation: Skin Sens. 1A

Hazardous to the aquatic environment: Aquatic Chronic 3

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.

Harmful to aquatic life with long lasting effects.

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

3-aminomethyl-3,5,5-trimethylcyclohexylamine

benzyl alcohol

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

Phenol, styrenated

2,4,6-tris(dimethylaminomethyl)phenol

3-aminopropyldimethylamine, N,N-dimethyl-1,3-diaminopropane

Amines, polyethylenepoly-, triethylenetetramine fraction

Signal word: Danger

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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.
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.
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2.3. Other hazards

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

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

formulated polyamine hardener

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Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
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, Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Skin Sens. 1, Aquatic Chronic 3; H312 H302 H314 H318 H317 H412			
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			

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); dermal: ATE = 1100 mg/kg; oral: LD50 = 1030 mg/kg	
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 polyethylene glycol, followed by plenty of water. 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

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

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.

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

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:

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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-xylylenediamine			
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-aminopropyl dimethylamine, 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		0,084 mg/l
Marine water		0,008 mg/l
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		0,03 mg/l
Marine water		0,003 mg/l
Freshwater sediment		1,86 mg/kg
Marine sediment		0,186 mg/kg
Soil		0,355 mg/kg

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90-72-2	2,4,6-tris(dimethylaminomethyl)phenol	
Freshwater		0,084 mg/l
Marine water		0,008 mg/l
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.

Protective and hygiene measures

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.

Eye/face protection

Suitable eye protection: goggles.

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

Test method

pH-Value: No information available.

Changes in the physical state

Flash point: 88,5 °C DIN EN ISO 2719

Explosive properties

No information available.

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Auto-ignition temperature:	No information available.
Decomposition temperature:	No information available.
Oxidizing properties	
No information available.	
Vapour pressure:	No information available.
Density (at 23 °C):	ca. 1,02 g/cm ³ ISO 2811-2
Water solubility:	No information available.
Solubility in other solvents	
No information available.	
Partition coefficient n-octanol/water:	No information available.
Viscosity / dynamic: (at 25 °C)	225 - 335 mPa·s ISO 2884-1
Relative vapour density:	No information available.
Evaporation rate:	No information available.

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 toxicological effects****Acute toxicity**

Harmful if swallowed.

Harmful if inhaled.

ATEmix calculated

ATE (oral) 1473,1 mg/kg; ATE (inhalation aerosol) 4,079 mg/l

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

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Irritation and corrosivity

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

Sensitising effects

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

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.

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
2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine					
	Acute algae toxicity	ErC50 37 mg/l	72 h	Desmodesmus subspicatus	ECHA Dossier	
	Acute crustacea toxicity	EC50 23 mg/l	48 h	Daphnia magna (OECD 202)	ECHA Dossier	
1477-55-0	1,3-Bis(aminomethyl)benzene, m-xylylenediamine					
	Acute fish toxicity	LC50 87,6 mg/l	96 h	Oryzias latipes (OECD 203)	ECHA Dossier	
	Acute algae toxicity	ErC50 20,3 mg/l	72 h	Pseudokirchnerella subcapitata (OECD 201)	ECHA Dossier	
	Acute crustacea toxicity	EC50 15,2 mg/l	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 31,1 mg/l	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 product has not been tested.

12.6. 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 according to applicable legislation.

List of Wastes Code - residues/unused products

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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: 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: 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. Transport in bulk according to Annex II of Marpol and the IBC Code

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

2004/42/EC (VOC):

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 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): 3REACH - 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-aminopropylidimethylamine, N,N-dimethyl-1,3-diaminopropane

2,4,6-tris(dimethylaminomethyl)phenol

Phenol, styrenated

2,4,6-tris(dimethylaminomethyl)phenol

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)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

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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
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. 1A; 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.

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