

Trade name: Hardener FH-Super for cds-Mortar 0-1 FB

Version: 2 / GB

Date revised: 08.08.2023

Substance number: 11405

Replaces Version: 1 / GB

Print date: 16.04.2024

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

1.1. Product identifier

Hardener FH-Super for cds-Mortar 0-1 FB

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

Use of the substance/preparation

Coating material

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

cds Polymere GmbH & Co. KG

Gau-Bickelheimer Str. 72

55576 Sprendlingen/Rhh.

Telephone no. +49(6701) 9350-0

Fax no. +49(6701) 9350-50

1.4. Emergency telephone number

cds-Labor / Tel. +49 (67 01) 93 50-28 (This number is reachable monday to friday from 8 am to 5 pm)

SECTION 2: Hazards identification ***

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

Acute Tox. 4	H302
Skin Corr. 1B	H314
Eye Dam. 1	H318
Skin Sens. 1	H317
Repr. 2	H361f
Aquatic Chronic 1	H410

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

For explanation of abbreviations see section 16.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms ***



Signal word

Danger

Hazard statements ***

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H361f	Suspected of damaging fertility.
H410	Very toxic to aquatic life with long lasting effects.

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Precautionary statements

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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 or doctor.

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains ***	Benzylalcohol; 4-tert-Butylphenol; m-Phenylenebis(methylamin); Reaction mass of (1-Phenylethyl)phenols and bis-(1-phenylethyl)phenols; 2,2,4-Trimethylhexan-1,6-Diamin
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2.3. Other hazards

No special hazards have to be mentioned.

The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product contains substances that have endocrine disrupting properties with respect to non-target organisms. See SECTION 3 of this safety data sheet.

SECTION 3: Composition/information on ingredients *****Hazardous ingredients *******4-tert-Butylphenol**

CAS No.	98-54-4
EINECS no.	202-679-0
Registration no.	01-2119489419-21-XXXX
Concentration	>= 25 < 60 %
Classification (Regulation (EC) No. 1272/2008)	
	Skin Irrit. 2 H315
	Eye Dam. 1 H318
	Repr. 2 H361f
	Aquatic Chronic 1 H410

Concentration limits (Regulation (EC) No. 1272/2008)

Aquatic Chronic	H410	M = 1
1		

Supplemental information

The substance is contained in the Candidate List for inclusion in Annex XIV of Regulation (EC) No. 1907/2006 (REACH).

m-Phenylenebis(methylamin)

CAS No.	1477-55-0
EINECS no.	216-032-5
Registration no.	01-2119480150-50-XXXX
Concentration	>= 20 < 35 %
Classification (Regulation (EC) No. 1272/2008)	
	Acute Tox. 4 H302
	Aquatic Chronic 3 H412
	Skin Corr. 1B H314
	Acute Tox. 4 H332
	Eye Dam. 1 H318
	Skin Sens. 1B H317

ATE	oral	980	mg/kg
ATE	inhalative, Dust/Mist	1,34	mg/l

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cATpE inhalative, Vapors 11 mg/l

2,2,4-Trimethylhexan-1,6-Diamin

CAS No. 25513-64-8

EINECS no. 247-063-2

Registration no. 01-2119560598-25-XXXX

Concentration \geq 10 < 20 %

Classification (Regulation (EC) No. 1272/2008)

Skin Corr. 1A H314

Acute Tox. 4 H302

Skin Sens. 1A H317

Eye Dam. 1 H318

ATE oral 910 mg/kg

Benzylalcohol

CAS No. 100-51-6

EINECS no. 202-859-9

Registration no. 01-2119492630-38-XXXX

Concentration \geq 10 < 20 %

Classification (Regulation (EC) No. 1272/2008)

Acute Tox. 4 H302

Acute Tox. 4 H332

ATE oral 1.620 mg/kg

ATE inhalative, Dust/Mist 4,178 mg/l

cATpE inhalative, Vapors 11 mg/l

Reaction mass of (1-Phenylethyl)phenols and bis-(1-phenylethyl)phenols

EINECS no. 701-443-9

Registration no. 01-2119980970-27-XXXX

Concentration \geq 2,5 < 10 %

Classification (Regulation (EC) No. 1272/2008)

Skin Irrit. 2 H315

Skin Sens. 1A H317

Aquatic Chronic 2 H411

ATE inhalative, Dust/Mist 4,9 mg/l

Candidate List for inclusion in Annex XIV of Regulation (EC) No. 1907/2006 (REACH).

4-tert-Butylphenol

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

Remove contaminated, soaked clothing immediately and dispose of safely. Adhere to personal protective measures when giving first aid. Clean body thoroughly (bath, shower). In any case show the physician the Safety Data Sheet.

After inhalation

Ensure supply of fresh air. Remove affected person from danger area. Seek medical advice immediately.

After skin contact

Wash off immediately with soap and water. Seek medical advice immediately.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Take medical treatment.

After ingestion

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Call in a physician immediately and show him the Safety Data Sheet. Rinse mouth thoroughly with water. Let plenty of water be drunk in small gulps. Do not induce vomiting.

Adhere to personal protective measures when giving first aid

First aider: Pay attention to self-protection!

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

Until now no symptoms known so far.

4.3. Indication of any immediate medical attention and special treatment needed**Hints for the physician / hazards**

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

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

Dry powder

Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In case of combustion evolution of dangerous gases possible.

5.3. Advice for firefighters**Special protective equipment for fire-fighting**

Do not inhale explosion and/or combustion gases. In case of combustion use a suitable breathing apparatus. Wear full protective suit.

Other information

Collect contaminated fire-fighting water separately, must not be discharged into the drains. Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations. Observe manufacturer's / distributor's instructions.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Use breathing apparatus if exposed to vapours/dust/aerosol. Avoid contact with skin, eyes and clothing. Refer to protective measures listed in Sections 7 and 8.

6.2. Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers). Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil. Retain and dispose of contaminated wash water. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

Pick up with absorbent material. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations. Containers in which spilt substance has been collected must be adequately labelled. Dispose of absorbed material in accordance with the regulations.

6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8.

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7.1. Precautions for safe handling

Advice on safe handling

Avoid formation of aerosols. Perform filling operations only at stations with exhaust ventilation facilities. Provide suitable exhaust ventilation at the processing machines. If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn. Keep container tightly closed.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep in original packaging, tightly closed. Storage rooms must be properly ventilated. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Provide solvent-resistant and impermeable floor.

Hints on storage assembly

Do not store together with foodstuffs.

Storage classes

Storage class according to TRGS 510 8A Combustible corrosive hazardous substances

Further information on storage conditions

Do not keep at temperatures above 20 °C.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

m-Phenylbis(methylamin)

List	ACGIH			
Type	C			
Value	0,1	mg/m ³		

m-Phenylbis(methylamin)

List	MAK(GKV 2003)			
Remarks:	als Dampf und Aerosol; vgl. Abschn. IV			

4-tert-Butylphenol

List	TRGS 900			
Type	AGW			
Value	0,5	mg/m ³	0,08	ppm(V)

Biological limit values

4-tert-Butylphenol

List	BGW (TRGS 903)			
Value	2	mg/l		
Parameter	4-tert-Butylphenol			
Testing material	Urine (U)			
Test date	End of exposure or end of shift (b)			

Derived No/Minimal Effect Levels (DNEL/DMEL)

Benzylalcohol

Type of value	Derived No Effect Level (DNEL)			
Reference group	Worker			
Duration of exposure	Long term			
Route of exposure	dermal			
Mode of action	Systemic effects			
Concentration	8			mg/kg

Type of value	Derived No Effect Level (DNEL)			
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Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	22	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Acute	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	110	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Acute	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	40	mg/kg

m-Phenylbis(methylamin)

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Route of exposure	dermal	
Concentration	0,33	mg/kg

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Route of exposure	inhalative	
Concentration	1,2	mg/m ³

Reaction mass of (1-Phenylethyl)phenols and bis-(1-phenylethyl)phenols

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	2,87	mg/kg

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	1,21	mg/m ³

4-tert-Butylphenol

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	
Concentration	0,071	mg/kg

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	

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Concentration 0,5 mg/m³

Predicted No Effect Concentration (PNEC)

Benzylalcohol

Type of value PNEC
 Type Water
 Concentration 1 mg/l

Type of value PNEC
 Type Water (intermittent release)
 Concentration 2,31 mg/l

Type of value PNEC
 Type Saltwater
 Concentration 0,1 mg/l

Type of value PNEC
 Type Sewage treatment plant (STP)
 Concentration 39 mg/l

Type of value PNEC
 Type Freshwater sediment
 Concentration 5,27 mg/kg

Type of value PNEC
 Type Marine sediment
 Concentration 0,527 mg/kg

Type of value PNEC
 Type Soil
 Concentration 0,456 mg/kg

m-Phenylenbis(methylamin)

Type of value PNEC
 Type Freshwater
 Concentration 0,094 mg/l

Type of value PNEC
 Type Marine
 Concentration 0,0094 mg/l

Reaction mass of (1-Phenylethyl)phenols and bis-(1-phenylethyl)phenols

Type of value PNEC
 Type Freshwater
 Concentration 0,0115 mg/l

Type of value PNEC
 Type Marine
 Concentration 0,00115 mg/l

4-tert-Butylphenol

Type of value PNEC
 Type Freshwater
 Concentration 0,01 mg/l

Type of value PNEC

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Type	Marine		
Concentration	0,001		mg/l

2,2,4-Trimethylhexan-1,6-Diamin

Type of value	PNEC		
Type	Freshwater		
Concentration	0,102		mg/l

Type of value	PNEC		
Type	Marine		
Concentration	0,01		mg/l

8.2. Exposure controls**General protective and hygiene measures**

Hold emergency shower available. Hold eye wash fountain available. Do not inhale gases/vapours/aerosols. Avoid contact with skin and eyes. Do not eat, drink or smoke during work time. Storage of foodstuffs in work rooms is forbidden. Wash hands before breaks and after work. Clean skin thoroughly after work; apply skin cream.

Respiratory protection

If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn.

Hand protection

Chemical resistant gloves
Appropriate Material neoprene

Eye protection

Safety glasses with side protection shield; Face shield

Body protection

Clothing as usual in the chemical industry. Protective shoes

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

Physical state	liquid		
Odour	amine-like		
Colour	yellowish		
Melting point			
Remarks	not determined		
Freezing point			
Remarks	not determined		
Boiling point or initial boiling point and boiling range			
Value	> 200		°C
Flammability			
evaluation	not determined		
Upper and lower explosive limits			
Lower explosion limit	1,2		%(V)
Upper explosion limit	13		%(V)
Flash point			
Value	> 100		°C
Ignition temperature			
Value	365		°C

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Decomposition temperature

Remarks not determined

pH value

Remarks not determined

Viscosity**dynamic**Value 110 mPa.s
Temperature 25 °C**Solubility(ies)**

Remarks not determined

Partition coefficient n-octanol/water (log value)

Remarks not determined

Vapour pressureValue 4 hPa
Temperature 20 °C**Density and/or relative density**Value 1 g/cm³
Temperature 23 °C**Relative vapour density**

Remarks not determined

9.2. Other information**Odour threshold**

Remarks not determined

Evaporation rate (ether = 1) :

Remarks not determined

Solubility in water

Remarks immiscible

Explosive properties

evaluation not determined

Oxidising properties

Remarks not determined

Other information

None known

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

No hazardous reactions when stored and handled according to prescribed instructions.

10.2. Chemical stability

No hazardous reactions known.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

No hazardous reactions known.

10.5. Incompatible materials

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None known

10.6. Hazardous decomposition products

Toxic gases/vapours, Irritant gases/vapours

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

ATE	1.986,79	mg/kg
	25	

Method	calculated value (Regulation (EC) No. 1272/2008)	
Remarks	The classification criteria are met.	

Acute oral toxicity (Components)**Benzylalcohol**

Species	mouse	
LD50	1040	mg/kg

Benzylalcohol

Species	rat	
LD50	1620	mg/kg

m-Phenylenbis(methylamin)

Species	mouse	
LD50	1180	mg/kg

m-Phenylenbis(methylamin)

Species	rat	
LD50	980	mg/kg

Reaction mass of (1-Phenylethyl)phenols and bis-(1-phenylethyl)phenols

Species	rat	
LD50	> 2000	mg/kg
Method	OECD 423	

4-tert-Butylphenol

Species	rat	
LD50	> 2000	mg/kg

2,2,4-Trimethylhexan-1,6-Diamin

Species	rat	
LD50	910	mg/kg

Acute dermal toxicity

Remarks	Based on available data, the classification criteria are not met.
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Acute dermal toxicity (Components)**Benzylalcohol**

Species	rabbit	
LD50	> 2000	mg/kg

m-Phenylenbis(methylamin)

Species	rabbit	
LD50	3100	mg/kg

m-Phenylenbis(methylamin)

Species	rat	
LD50	> 3100	mg/kg

Reaction mass of (1-Phenylethyl)phenols and bis-(1-phenylethyl)phenols

Species	rat	
LD50	> 2000	mg/kg
Method	OECD 402	

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4-tert-Butylphenol

Species	rabbit		
LD50	>	2000	mg/kg

Acute inhalational toxicity

ATE		32,3529	mg/l
Administration/Form	Vapors		
Method	calculated value (Regulation (EC) No. 1272/2008)		
ATE		5,0496	mg/l
Administration/Form	Dust/Mist		
Method	calculated value (Regulation (EC) No. 1272/2008)		
Remarks	Based on available data, the classification criteria are not met.		

Acute inhalative toxicity (Components)**4-tert-Butylphenol**

Species	rat		
LC50		5600	mg/l
Duration of exposure		4	h
Method	OECD 403		

Benzylalcohol

Species	rat		
LC50	>	4,178	mg/l
Duration of exposure		4	h
Administration/Form	Dust/Mist		
Method	OECD 403		

m-Phenylenebis(methylamin)

Species	rat		
LC50		1,34	mg/l
Duration of exposure		4	h
Administration/Form	Dust/Mist		

Reaction mass of (1-Phenylethyl)phenols and bis-(1-phenylethyl)phenols

Species	rat		
LC0	>	4,9	mg/l
Duration of exposure		4	h
Administration/Form	Dust/Mist		
Method	OECD 403		

Skin corrosion/irritation

evaluation	corrosive
Remarks	The classification criteria are met.

Serious eye damage/irritation

evaluation	corrosive
Remarks	The classification criteria are met.

Sensitization

evaluation	May cause sensitization by skin contact.
Remarks	The classification criteria are met.

Subacute, subchronic, chronic toxicity

Remarks	not determined
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Mutagenicity

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

evaluation	Suspected of damaging fertility.
Remarks	The classification criteria are met.

Carcinogenicity

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

Specific Target Organ Toxicity (STOT)

Single exposure

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

Repeated exposure

Remarks 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 with respect to humans

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

Experience in practice

Inhalation may lead to irritation of the respiratory tract.

Other information

No toxicological data are available.

SECTION 12: Ecological information ***

12.1. Toxicity

General information

not determined

Fish toxicity (Components)

Benzylalcohol

Species	Fathead minnow (<i>Pimephales promelas</i>)		
LC50	460		mg/l
Duration of exposure	96	h	

Benzylalcohol

Species	golden orfe (<i>Leuciscus idus</i>)		
LC50	> 645		mg/l
Duration of exposure	96	h	

m-Phenylenbis(methylamin)

Species	rainbow trout (<i>Oncorhynchus mykiss</i>)		
LC50	> 100		mg/l
Duration of exposure	96	h	

m-Phenylenbis(methylamin)

Species	Oryzias latipes		
LC50	87,6		mg/l
Duration of exposure	96	h	

4-tert-Butylphenol

Species	rainbow trout (<i>Oncorhynchus mykiss</i>)		
LC50	> 1		mg/l
Duration of exposure	96	h	

4-tert-Butylphenol

Species	Fathead minnow (<i>Pimephales promelas</i>)		
LC50	5,1		mg/l
Duration of exposure	96	h	

4-tert-Butylphenol

Species	golden orfe (<i>Leuciscus idus</i>)		
LC50	1,5		mg/l

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Duration of exposure 48 h

Reaction mass of (1-Phenylethyl)phenols and bis-(1-phenylethyl)phenols

Species zebra fish (*Brachydanio rerio*)
 LL50 14,8 mg/l
 Duration of exposure 96 h
 Method OECD 203

2,2,4-Trimethylhexan-1,6-Diamin

Species golden orfe (*Leuciscus idus*)
 LC50 174 mg/l
 Duration of exposure 48 h

Daphnia toxicity (Components)

Benzylalcohol

Species *Daphnia magna*
 EC50 230 mg/l
 Duration of exposure 48 h

m-Phenylenbis(methylamin)

Species *Daphnia magna*
 EC50 15,2 mg/l
 Duration of exposure 48 h

Reaction mass of (1-Phenylethyl)phenols and bis-(1-phenylethyl)phenols

Species *Daphnia magna*
 EC50 4,6 mg/l
 Duration of exposure 48 h
 Method OECD 202

4-tert-Butylphenol

Species *Daphnia magna*
 EC50 3,9 mg/l
 Duration of exposure 48 h

2,2,4-Trimethylhexan-1,6-Diamin

Species *Daphnia magna*
 EC50 31,5 mg/l
 Duration of exposure 24 h

Algae toxicity (Components)

Benzylalcohol

Species *Pseudokirchneriella subcapitata*
 IC50 770 mg/l
 Duration of exposure 72 h

m-Phenylenbis(methylamin)

Species *Pseudokirchneriella subcapitata*
 EC50 33,3 mg/l
 Duration of exposure 72 h

Reaction mass of (1-Phenylethyl)phenols and bis-(1-phenylethyl)phenols

Species *Scenedesmus subspicatus*
 EL50 3,14 mg/l
 Duration of exposure 72 h
 Method OECD 201

4-tert-Butylphenol

Species *Selenastrum capricornutum*
 EC50 < 100 mg/l
 Duration of exposure 72 h

4-tert-Butylphenol

Species *Pseudokirchneriella subcapitata*
 EC50 14 mg/l

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Duration of exposure 72 h

2,2,4-Trimethylhexan-1,6-Diamin

Species Scenedesmus subspicatus
 ErC50 43,5 mg/l
 Duration of exposure 72 h

Bacteria toxicity (Components)

Benzylalcohol

Species Pseudomonas putida
 EC10 > 658 mg/l
 Duration of exposure 16 h

Benzylalcohol

Species Pseudomonas putida
 EC50 390 mg/l
 Duration of exposure 24 h

4-tert-Butylphenol

Species activated sludge
 EC50 10 mg/l
 Duration of exposure 3 h

m-Phenylenbis(methylamin)

Species activated sludge
 EC50 > 1000 mg/l
 Duration of exposure 0,5 h

2,2,4-Trimethylhexan-1,6-Diamin

Species Pseudomonas putida
 EC50 89 mg/l
 Duration of exposure 17 h

12.2. Persistence and degradability

General information

not determined

12.3. Bioaccumulative potential

General information

not determined

Partition coefficient n-octanol/water (log value)

Remarks not determined

12.4. Mobility in soil

General information

not determined

12.5. Results of PBT and vPvB assessment

General information

not determined

Results of PBT and vPvB assessment

The product contains no PBT substances
 The product contains no vPvB substances.

12.6 Endocrine disrupting properties

Endocrine disrupting properties with respect to the environment

The product contains substances that have endocrine disrupting properties with respect to non-target organisms.

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Endocrine disrupting properties with respect to the environment (Components) ***

4-tert-Butylphenol

This substance has endocrine disrupting properties with respect to non-target organisms.

12.7. Other adverse effects

General information

not determined

General information / ecology

Do not allow to enter soil, waterways or waste water canal. Avoid release into the atmosphere.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

Allocation of a waste code number, according to the European Waste Catalogue (EWC), should be carried out in agreement with the regional waste disposal company.

Disposal recommendations for packaging

Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.

SECTION 14: Transport information ***

Trade name: Hardener FH-Super for cds-Mortar 0-1 FB







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	Land transport ADR/RID ***	Marine transport IMDG/GGVSee ***	Air transport ICAO/IATA ***
14.1. UN number or ID number	2735	2735	2735
14.2. UN proper shipping name	AMINES, LIQUID, CORROSIVE, N.O.S. (m-Phenylenbis(methylamin), 4-tert-Butylphenol)	AMINES, LIQUID, CORROSIVE, N.O.S. (m-Phenylenbis(methylamin), 4-tert-Butylphenol)	AMINES, LIQUID, CORROSIVE, N.O.S. (m-Phenylenbis(methylamin), 4-tert-Butylphenol)
14.3. Transport hazard class(es)	8	8	8
Label			
14.4. Packing group	II	II	II
Limited Quantity	1 I	1 I	
Transport category	2		
14.5. Environmental hazards	 ENVIRONMENTALLY HAZARDOUS	Marine Pollutant  ENVIRONMENTALLY HAZARDOUS	 ENVIRONMENTALLY HAZARDOUS
Tunnel restriction code	E		

SECTION 15: Regulatory information ***

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

Major-accident categories acc. 2012/18/EU

Category	E1	Hazardous to the Aquatic Environment	100000	kg	200000	kg
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VOC ***

VOC (EU)	0	%	0	g/l
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Other information ***

The product contains SVHC-substances

15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

SECTION 16: Other information

Classification and procedure used to derive the classification for mixtures according to

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Regulation (EC) 1272/2008 [CLP]:

Classification (Regulation (EC) No. 1272/2008)

Acute Tox. 4	H302	Calculation method
Skin Corr. 1B	H314	Calculation method
Eye Dam. 1	H318	Calculation method
Skin Sens. 1	H317	Calculation method
Repr. 2	H361f	Calculation method
Aquatic Chronic 1	H410	Calculation method

Hazard statements listed in Chapter 2/3

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H361f	Suspected of damaging fertility.
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.

CLP categories listed in Chapter 2/3

Acute Tox. 4	Acute toxicity, Category 4
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic, Category 3
Eye Dam. 1	Serious eye damage, Category 1
Repr. 2	Reproductive toxicity, Category 2
Skin Corr. 1A	Skin corrosion, Category 1A
Skin Corr. 1B	Skin corrosion, Category 1B
Skin Irrit. 2	Skin irritation, Category 2
Skin Sens. 1	Skin sensitization, Category 1
Skin Sens. 1A	Skin sensitization, Category 1A
Skin Sens. 1B	Skin sensitization, Category 1B

Information about Safety Data Sheets Preparers

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Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.