

Safety Data Sheet

according to Regulation (EC) No 1907/2006

CP-Synthofloor 8010 Part B

Revision date: 09.12.2019

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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

Coatings and paints, fillers, putties, thinners

Uses advised against

No data 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 number:

+49(0) 551 - 1 92 40 (GIZ-Nord, 24h)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:

Acute toxicity: Acute Tox. 4

Skin corrosion/irritation: Skin Corr. 1A

Serious eye damage/eye irritation: Eye Dam. 1

Respiratory or skin sensitisation: Skin Sens. 1

Reproductive toxicity: Repr. 2

Hazardous to the aquatic environment: Aquatic Chronic 2

Hazard Statements:

Harmful if swallowed.

Causes severe skin burns and eye damage.

Causes serious eye damage.

May cause an allergic skin reaction.

Suspected of damaging fertility.

Toxic to aquatic life with long lasting effects.

2.2. Label elements

Regulation (EC) No. 1272/2008

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Hazard components for labelling

4-tert-butylphenol
3-aminomethyl-3,5,5-trimethylcyclohexylamine
m-phenylenebis(methylamine)
Trimethyl-1,6-hexanediamin, mixed isomers

Signal word: Danger

Pictograms:



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.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

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

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
98-54-4	4-tert-butylphenol			10 -< 25 %
	202-679-0		01-2119489419-21	
	Repr. 2, Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 1; H361f H315 H318 H410			
2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine			10 -< 25 %
	220-666-8	612-067-00-9	01-2119514687-32	
	Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B, Skin Sens. 1, Aquatic Chronic 3; H312 H302 H314 H317 H412			
100-51-6	benzyl alcohol			10 -< 25 %
	202-859-9	603-057-00-5	01-2119492630-38	
	Acute Tox. 4, Acute Tox. 4, Eye Irrit. 2; H332 H302 H319			
1477-55-0	m-phenylenebis(methylamine)			10 -< 25 %
	216-032-5		01-2119480150-50	
	Acute Tox. 4, Acute Tox. 4, Skin Corr. 1, Skin Sens. 1, Aquatic Chronic 3; H332 H302 H314 H317 H412 EUH071			
25620-58-0	Trimethyl-1,6-hexanediamin, mixed isomers			5 -< 10 %
	247-134-8			
	Acute Tox. 4, Skin Corr. 1, Aquatic Chronic 3; H302 H314 H412			
15520-10-2	2-methylpentane-1,5-diamine			1 -< 5 %
	239-556-6		01-2119976310-41	
	Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Skin Corr. 1, Eye Dam. 1, STOT SE 3; H332 H312 H302 H314 H318 H335			

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

Further Information

No information available.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove affected person from the danger area and lay down. In case of allergic symptoms, especially in the breathing area, seek medical advice immediately. 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 inhalation of decomposition products, affected person should be moved into fresh air and kept still. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

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After contact with skin

After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. Immediate medical treatment required because corrosive injuries that are not treated are hard to cure.

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. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor.

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.
Allergic reactions
Gastrointestinal complaints

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

First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

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

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Carbon monoxide Carbon dioxide (CO₂). Nitrogen oxides (NO_x)

5.3. Advice for firefighters

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

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
Clean contaminated articles and floor according to the environmental legislation. In case of gas escape or of

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entry into waterways, soil or drains, inform the responsible authorities.

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

Wear personal protection equipment (refer to section 8).

Persons with a history of asthma, allergies, chronic or recurrent respiratory disease should not be exposed to any process in which this product is used. Persons with a history of skin sensitisation problems should not be employed in any process in which this product is used.

Avoid contact with skin, eyes and clothes. Avoid breathing dust/fume/gas/mist/vapours/spray. 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 sources of heat (e.g. hot surfaces), sparks and open flames.

Further information on handling

Wash hands before breaks and after work. Used working clothes should not be worn outside the work area.
Street clothing should be stored separately from work clothing.

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. Protect against direct sunlight.

Hints on joint storage

Keep away from food, drink and animal feedingstuffs.

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

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8.1. Control parameters

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DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
98-54-4	4-tert-butylphenol			
Worker DNEL, long-term		inhalation	systemic	0,5 mg/m ³
Worker DNEL, long-term		dermal	systemic	0,071 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	0,09 mg/m ³
Consumer DNEL, long-term		dermal	systemic	0,026 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	0,026 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
Consumer DNEL, long-term		oral	systemic	0,526 mg/kg bw/day
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
Consumer DNEL, long-term		inhalation	systemic	5,4 mg/m ³
Consumer DNEL, acute		inhalation	systemic	27 mg/m ³
Consumer DNEL, long-term		dermal	systemic	4 mg/kg bw/day
Consumer DNEL, acute		dermal	systemic	20 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	4 mg/kg bw/day
Consumer DNEL, acute		oral	systemic	20 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/m ³
Worker DNEL, long-term		inhalation	systemic	1,2 mg/m ³
25620-58-0	Trimethyl-1,6-hexanediamin, mixed isomers			
15520-10-2	2-methylpentane-1,5-diamine			

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Worker DNEL, acute	inhalation	local	0,5 mg/m ³
Consumer DNEL, acute	inhalation	local	0,25 mg/m ³
Worker DNEL, long-term	inhalation	local	0,25 mg/m ³
Worker DNEL, long-term	dermal	systemic	1,5 mg/kg bw/day
Consumer DNEL, long-term	inhalation	local	0,125 mg/m ³
Consumer DNEL, long-term	dermal	systemic	0,75 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	0,75 mg/kg bw/day

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PNEC values

CAS No	Substance		Value
98-54-4	4-tert-butylphenol	Environmental compartment	
		Freshwater	0,01 mg/l
		Freshwater (intermittent releases)	0,048 mg/l
		Marine water	0,001 mg/l
		Freshwater sediment	0,27 mg/kg
		Marine sediment	0,027 mg/kg
		Secondary poisoning	46,67 mg/kg
		Micro-organisms in sewage treatment plants (STP)	1,5 mg/l
		Soil	0,25 mg/kg
2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine	Environmental compartment	
		Freshwater	0,06 mg/l
		Freshwater (intermittent releases)	0,23 mg/l
		Marine water	0,006 mg/l
		Freshwater sediment	5,784 mg/kg
		Marine sediment	0,578 mg/kg
		Micro-organisms in sewage treatment plants (STP)	3,18 mg/l
		Soil	1,121 mg/kg
100-51-6	benzyl alcohol	Environmental compartment	
		Freshwater	1 mg/l
		Freshwater (intermittent releases)	2,3 mg/l
		Marine water	0,1 mg/l
		Freshwater sediment	5,27 mg/kg
		Marine sediment	0,527 mg/kg
		Micro-organisms in sewage treatment plants (STP)	39 mg/l
		Soil	0,456 mg/kg
1477-55-0	m-phenylenebis(methylamine)	Environmental compartment	
		Freshwater	0,094 mg/l
		Freshwater (intermittent releases)	0,152 mg/l
		Marine water	0,009 mg/l
		Freshwater sediment	12,4 mg/kg
		Marine sediment	1,24 mg/kg
		Micro-organisms in sewage treatment plants (STP)	10 mg/l
		Soil	2,44 mg/kg
15520-10-2	2-methylpentane-1,5-diamine	Environmental compartment	

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Freshwater	0,42 mg/l
Freshwater (intermittent releases)	0,42 mg/l
Marine water	0,042 mg/l
Freshwater sediment	7,58 mg/kg
Marine sediment	0,758 mg/kg
Micro-organisms in sewage treatment plants (STP)	1250 mg/l
Soil	1,27 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: EN ISO 374

NBR (Nitrile rubber), Butyl caoutchouc (butyl rubber)

Wearing time with permanent contact: Thickness of the glove material: $\geq 0,4$ mm, Breakthrough time (maximum wearing time): >480 min

Wearing time with occasional contact (splashes):: Thickness of the glove material: $\geq 0,1$ 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.

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

Skin protection

Protective clothing

For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes).

Respiratory protection

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190).

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	transparent
Odour:	characteristic

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pH-Value: No data available

Changes in the physical state

Melting point: No data available

Initial boiling point and boiling range: No data available

Sublimation point: No data available

Softening point: No data available

Pour point: No data available

Flash point: > 83 °C

Flammability

Solid: No data available

Gas: No data available

Explosive properties

No information available.

Lower explosion limits: No data available

Upper explosion limits: No data available

Ignition temperature: ~ 380 °C

Auto-ignition temperature

Solid: No data available

Gas: No data available

Decomposition temperature: No data available

Oxidizing properties

No information available.

Vapour pressure: No data available

Density (at 20 °C): ~ 1,1 g/cm³

Water solubility: No data available

Solubility in other solvents

No information available.

Partition coefficient: No data available

Viscosity / dynamic:
(at 23 °C) ~ 600 mPa·s

Flow time: No data available

Vapour density: No data available

Evaporation rate: No data available

9.2. Other information

No information available.

SECTION 10: Stability and reactivity

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10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

No decomposition if used according to specifications.

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

No data available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Harmful if swallowed.

ATEmix calculated

ATE (oral) 1455,0 mg/kg; ATE (inhalation aerosol) 3,645 mg/l

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
98-54-4	4-tert-butylphenol				
	oral	LD50 > 2000 mg/kg	Rat	Study report (1991)	OECD Guideline 401
	dermal	LD50 >2000 mg/kg	Rabbit		
	inhalation (4 h) vapour	LC50 5600 mg/l	Rat		OECD 403
2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine				
	oral	LD50 1030 mg/kg	Rat	Study report (1965)	OECD Guideline 401
	dermal	LD50 > 2000 mg/kg	Rat	Study report (2010)	OECD Guideline 402
100-51-6	benzyl alcohol				
	oral	LD50 1580 mg/kg	Mouse	Cosmet. Toxicol. 11, 1011-1013 (1973) (1)	OECD Guideline 401
	dermal	LD50 > 2000 mg/kg	Rabbit	Raw Material Data Handbook, Vol.1:(Orga	EPA OTS 798.1100
	inhalation vapour	ATE 11 mg/l			
	inhalation (4 h) aerosol	LC50 >4,178 mg/l	Rat	ECHA	OECD 403
1477-55-0	m-phenylenebis(methylamine)				
	oral	LD50 930 mg/kg	Rat	Study report (1973)	OECD Guideline 401
	dermal	LD50 > 3100 mg/kg	Rat	Study report (1975)	TK 11813 was applied to a shaved area of
	inhalation vapour	ATE 11 mg/l			
	inhalation (4 h) aerosol	LC50 1,34 mg/l	Rat		
25620-58-0	Trimethyl-1,6-hexanediamin, mixed isomers				
	oral	ATE 500 mg/kg			
15520-10-2	2-methylpentane-1,5-diamine				
	oral	LD50 1170 mg/kg	Rat	Study report (1986)	OECD Guideline 401
	dermal	LD50 1870 mg/kg	Rat	Study report (1978)	OECD Guideline 402
	inhalation vapour	ATE 11 mg/l			
	inhalation aerosol	ATE 1,5 mg/l			

Irritation and corrosivity

Causes severe skin burns and eye damage.

Causes serious eye damage.

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Sensitising effects

May cause an allergic skin reaction. (3-aminomethyl-3,5,5-trimethylcyclohexylamine; m-phenylenebis(methylamine))

Carcinogenic/mutagenic/toxic effects for reproduction

Suspected of damaging fertility. (4-tert-butylphenol)

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: 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.

Practical experience

Observations relevant to classification

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

SECTION 12: Ecological information

12.1. Toxicity

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
98-54-4	4-tert-butylphenol					
	Acute fish toxicity	LC50 > 1 mg/l	96 h	Oncorhynchus mykiss	Study report (1991)	OECD Guideline 203
	Acute algae toxicity	ErC50 ca. 14 mg/l	72 h	Pseudokirchneriella subcapitata	Study report (2001)	OECD Guideline 201
	Acute crustacea toxicity	EC50 3,9 mg/l	48 h	Daphnia magna (Big water flea)		
	Fish toxicity	NOEC 0,01 mg/l	128 d	Pimephales promelas	Study report (2008)	OECD Guideline 210
	Crustacea toxicity	NOEC 0,73 mg/l	21 d	Daphnia magna	Toxicity Testing Reports of Environmenta	OECD Guideline 211
	Acute bacteria toxicity	(> 10 mg/l)	3 h	activated sludge of a predominantly domestic sewage	Study report (1991)	OECD Guideline 209
2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine					
	Acute fish toxicity	LC50 110 mg/l	96 h	Leuciscus idus	Study report (1993)	EU Method C.1
	Acute algae toxicity	ErC50 37 mg/l	72 h	Desmodesmus subspicatus	Study report (1993)	EU Method C.3
	Acute crustacea toxicity	EC50 23 mg/l	48 h	Daphnia magna	Study report (2002)	OECD Guideline 202
	Crustacea toxicity	NOEC 3 mg/l	21 d	Daphnia magna	Study report (1993)	other: OECD 202, part 2
100-51-6	benzyl alcohol					
	Acute fish toxicity	LC50 > 100 mg/l	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 48,897 mg/l	30 d	Fish species	http://epa.gov/oppt/exposure/pubs/episui	other: QSAR
	Algae 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 mg/l)	3 h	activated sludge, domestic	Study report (1989)	OECD Guideline 209
1477-55-0	m-phenylenebis(methylamine)					
	Acute fish toxicity	LC50 > 100 mg/l	96 h	Oncorhynchus mykiss	REACH Registration Dossier	OECD Guideline 203

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	Acute algae toxicity	ErC50	12 mg/l	72 h	Desmodesmus subspicatus	REACH Registration Dossier	OECD Guideline 201
	Acute crustacea toxicity	EC50 mg/l	15,2	48 h	Daphnia magna (Big water flea)		
	Acute bacteria toxicity		(> 1000 mg/l)	0,5 h	Activated sludge from laboratory wastewater plant	Study report (2004)	OECD Guideline 209
15520-10-2	2-methylpentane-1,5-diamine						
	Acute fish toxicity	LC50 mg/l	1825	96 h	Pimephales promelas	Study report (1985)	OECD Guideline 203
	Acute algae toxicity	ErC50 mg/l	> 100	72 h	Pseudokirchneriella subcapitata	Study report (2010)	OECD Guideline 201
	Acute crustacea toxicity	EC50 mg/l	23,4	48 h	Daphnia magna	Study report (1985)	OECD Guideline 202
	Crustacea toxicity	NOEC mg/l	4,16	21 d	Daphnia magna	Study report (2003)	OECD Guideline 211

12.2. Persistence and degradability

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine			
	OECD 301A/ ISO 7827/ EEC 92/69/V, C.4-A	8 %	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).			
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)			

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
98-54-4	4-tert-butylphenol	3
2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine	0,99
100-51-6	benzyl alcohol	1
1477-55-0	m-phenylenebis(methylamine)	ca. 0,18
15520-10-2	2-methylpentane-1,5-diamine	0

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BCF

CAS No	Chemical name	BCF	Species	Source
98-54-4	4-tert-butylphenol	20 - 43	Cyprinus carpio	Based on the CSCL Ja
2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine	3,16	QSAR estimate	Other company data (
100-51-6	benzyl alcohol	1,371	QSAR model	http://epa.gov/oppt/
1477-55-0	m-phenylenebis(methylamine)	3,16	no data	Validated suite of c

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

Disposal recommendations

Dispose of waste according to applicable legislation.

Contaminated packaging

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

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number:	UN 2735
14.2. UN proper shipping name:	AMINES, LIQUID, CORROSIVE, N.O.S. (Isophorondiamine, 4-tert-butylphenol)
14.3. Transport hazard class(es):	8
14.4. Packing group:	II
Hazard label:	8
Classification code:	C7
Special Provisions:	274
Limited quantity:	1 L
Excepted quantity:	E2
Transport category:	2
Hazard No:	80
Tunnel restriction code:	E

Inland waterways transport (ADN)

14.1. UN number:	UN 2735
14.2. UN proper shipping name:	AMINES, LIQUID, CORROSIVE, N.O.S. (Isophorondiamine, 4-tert-butylphenol)
14.3. Transport hazard class(es):	8

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<u>14.4. Packing group:</u>	II
Hazard label:	8
Classification code:	C7
Special Provisions:	274
Limited quantity:	1 L
Excepted quantity:	E2

Marine transport (IMDG)

<u>14.1. UN number:</u>	UN 2735
<u>14.2. UN proper shipping name:</u>	AMINES, LIQUID, CORROSIVE, N.O.S. (Isophorondiamine, 4-tert-butylphenol)
<u>14.3. Transport hazard class(es):</u>	8
<u>14.4. Packing group:</u>	II
Hazard label:	8
Special Provisions:	274
Limited quantity:	1 L
Excepted quantity:	E2
EmS:	F-A, S-B

Air transport (ICAO-TI/IATA-DGR)

<u>14.1. UN number:</u>	UN 2735
<u>14.2. UN proper shipping name:</u>	AMINES, LIQUID, CORROSIVE, N.O.S. (Isophorondiamine, 4-tert-butylphenol)
<u>14.3. Transport hazard class(es):</u>	8
<u>14.4. Packing group:</u>	II
Hazard label:	8
Special Provisions:	A3 A803
Limited quantity Passenger:	0.5 L
Passenger LQ:	Y840
Excepted quantity:	E2
IATA-packing instructions - Passenger:	851
IATA-max. quantity - Passenger:	1 L
IATA-packing instructions - Cargo:	855
IATA-max. quantity - Cargo:	30 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS:	yes
Danger releasing substance:	4-tert-butylphenol

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

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

EU regulatory information

Authorisations (REACH, annex XIV):

Substances of very high concern, SVHC (REACH, article 59):

4-tert-butylphenol

2010/75/EU (VOC):

< 500 g/l (A/B)

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/l

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:

4-tert-butylphenol

3-aminomethyl-3,5,5-trimethylcyclohexylamine

benzyl alcohol

m-phenylenebis(methylamine)

2-methylpentane-1,5-diamine

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 3,14.

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route

(European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international conernat le transport des marchandises dangereuses par chemin de fer

(Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Refulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

CLP: Classification, labelling and Packaging

REACH: Registration, Evaluation and Authorization of Chemicals

GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals

UN: United Nations

CAS: Chemical Abstracts Service

DNEL: Derived No Effect Level

DMEL: Derived Minimal Effect Level

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PNEC: Predicted No Effect Concentration
 ATE: Acute toxicity estimate
 LC50: Lethal concentration, 50%
 LD50: Lethal dose, 50%
 LL50: Lethal loading, 50%
 EL50: Effect loading, 50%
 EC50: Effective Concentration 50%
 ErC50: Effective Concentration 50%, growth rate
 NOEC: No Observed Effect Concentration
 BCF: Bio-concentration factor
 PBT: persistent, bioaccumulative, toxic
 vPvB: very persistent, very bioaccumulative
 MARPOL: International Convention for the Prevention of Marine Pollution from Ships
 IBC: Intermediate Bulk Container
 SVHC: Substance of Very High Concern

Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

Classification	Classification procedure
Acute Tox. 4; H302	Calculation method
Skin Corr. 1A; H314	
Eye Dam. 1; H318	Calculation method
Skin Sens. 1; H317	Calculation method
Repr. 2; H361f	Calculation method
Aquatic Chronic 2; H411	Calculation method

Relevant H and EUH statements (number and full text)

H302	Harmful if swallowed.
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.
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.
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 hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)