Safety data sheet in accordance with 1907/2006/EC

Trade name: Seatec Epoxy Spachtel Härter

Current version : 2.0.0, issued: 24.02.2022 **Replaced version:** 1.0.0, issued: 20.10.2020 **Region:** GB

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

1.1 Product identifier

Trade name

Seatec Epoxy Spachtel Härter

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

Relevant identified uses of the substance or mixture
filler

Uses advised against
No data available.

1.3 Details of the supplier of the safety data sheet

Address
SVB Spezialversand für Yacht- und Bootszubehör GmbH
Gelsenkirchener Strasse 25-27
28199 Bremen

Telephone no. +49(0) 421 57 29 0-0
e-mail info@svb.de

Advice on Safety Data Sheet
info@svb.de

1.4 Emergency telephone number

For medical advice (in German and English):
+49 (0)551 192 40 (Giftinformationszentrum Nord)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 (CLP)
Aquatic Chronic 3; H412
Eye Dam. 1; H318
Skin Corr. 1B; H314
Skin Sens. 1; H317

Classification information
This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:
Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP
Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)

Hazard pictograms


GHS05


GHS07

Signal word
Danger

Hazardous component(s) to be indicated on label:
m-phenylenebis(methylamine)
3-aminomethyl-3,5,5-trimethylcyclohexylamine

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]

Hazard statement(s)

H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H412	Harmful to aquatic life with long lasting effects.

Hazard statements (EU)

EUH208	Contains N-(3-(trimethoxysilyl)propyl)ethylenediamine, Fatty acids, C18-unsatd., trimers, compds. with oleylamine, Fatty acids, tall-oil, compds. with oleylamine. May produce an allergic reaction.
EUH212	Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.

Precautionary statement(s)

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P264	Wash thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face 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.
P405	Store locked up.
P501	Dispose of contents/container to a facility in accordance with local and national regulations.

2.3 Other hazards

No data available.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable. The product is not a substance.

3.2 Mixtures

Hazardous ingredients

No	Substance name		Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration	%
1	**m-phenylenebis(methylamine)**			
	1477-55-0 216-032-5 - 01-2119480150-50	Acute Tox. 4; H332 Acute Tox. 4; H302 Aquatic Chronic 3; H412 Skin Corr. 1B; H314 Eye Dam. 1; H318 Skin Sens. 1B; H317 EUH071	>= 5.00 - < 10.00	wt%
2	**3-aminomethyl-3,5,5-trimethylcyclohexylamine**			
	2855-13-2 220-666-8 612-067-00-9 01-2119514687-32	Acute Tox. 4; H302 Acute Tox. 4; H312 Aquatic Chronic 3; H412 Skin Corr. 1B; H314 Skin Sens. 1; H317 Eye Dam. 1; H318	>= 5.00 - < 10.00	wt%
3	**benzyl alcohol**			
	100-51-6 202-859-9 603-057-00-5 01-2119492630-38	Acute Tox. 4; H302 Acute Tox. 4; H332 Eye Irrit. 2; H319	>= 5.00 - < 10.00	wt%

4	**Phenol, styrenated**			
	61788-44-1 262-975-0 - 01-2119980970-27	Skin Irrit. 2; H315 Skin Sens. 1A; H317 Aquatic Chronic 2; H411	< 5.00	wt%
5	**titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]**			
	13463-67-7 236-675-5 022-006-00-2 01-2119489379-17	Carc. 2; H351i	< 2.50	wt%
6	**N-(3-(trimethoxysilyl)propyl)ethylenediamine**			
	1760-24-3 217-164-6 - -	Aquatic Chronic 3; H412 Eye Dam. 1; H318 Skin Irrit. 2; H315 Skin Sens. 1; H317 Acute Tox. 4; H302 Acute Tox. 4; H332	< 0.50	wt%
7	**Fatty acids, C18-unsatd., trimers, compds. with oleylamine**			
	147900-93-4 604-612-4 - 01-2119971821-33	Skin Sens. 1; H317 STOT RE 2; H373 Aquatic Chronic 2; H411 Acute Tox. 4; H302	< 0.50	wt%
8	**Fatty acids, tall-oil, compds. with oleylamine**			
	85711-55-3 288-315-1 - 01-2119974148-28	Skin Sens. 1A; H317 Eye Dam. 1; H318 STOT RE 2; H373	< 0.10	wt%
9	**Silicon dioxide (amorphous)**			
	112945-52-5 231-545-4 - 01-2119379499-16	-	< 5.00	wt%

Full Text for all H-phrases and EUH-phrases: pls. see section 16

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
5	V, W, 10	-	-	-

Full text for the notes: pls. see section 16 “Notes relating to the identification, classification and labelling of substances ((EC) No 1272/2008, Annex VI)”.

No	Route, target organ, concrete effect
5	H351i inhalational; -; -

Acute toxicity estimate (ATE) values			
No	**oral**	**dermal**	**inhalative**
2	1030 mg/kg bodyweight		
3	1620 mg/kg bodyweight		

SECTION 4: First aid measures

4.1 Description of first aid measures

General information
In case of accident or if you feel unwell, seek medical advice immediately. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. If the patient is likely to become unconscious, place and transport in stable sideways position.

After inhalation
Remove affected person from the immediate area. Ensure supply of fresh air. Irregular breathing/no breathing:

artificial respiration. Call a doctor immediately.

After skin contact
Wash off immediately with soap and water. Seek medical attention.

After eye contact
Remove contact lenses, irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart and seek medical advice.

After ingestion
Do not induce vomiting. Rinse out mouth and give plenty of water to drink. Call a doctor immediately. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed
No data available.

4.3 Indication of any immediate medical attention and special treatment needed
No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media
Foam; Extinguishing powder; Water spray jet; Carbon dioxide

Unsuitable extinguishing media
High power water jet

5.2 Special hazards arising from the substance or mixture
In the event of fire, the following can be released: Carbon dioxide (CO2); Carbon monoxide (CO); Nitrogen oxides (NOx)

5.3 Advice for firefighters
Cool endangered containers with water spray jet. Use self-contained breathing apparatus. Wear protective clothing.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel
Refer to protective measures listed in sections 7 and 8. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Do not inhale vapours.

For emergency responders
No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions
Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

6.3 Methods and material for containment and cleaning up
Take up with absorbent material (e.g., sand, kieselguhr, universal binder). When collected, handle material as described under the section heading "Disposal considerations".

6.4 Reference to other sections
No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling
Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances. Ensure adequate ventilation.

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately. Wash hands before breaks and after work. Provide eye wash fountain in work area. Have emergency shower available. Do not inhale vapours.

Advice on protection against fire and explosion
Keep away from sources of heat and ignition.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions
Keep container tightly closed in a cool, well-ventilated place. Avoid cooling to under 0°C.

Requirements for storage rooms and vessels
Containers which are opened must be carefully closed and kept upright to prevent leakage. Always keep in containers of same material as the original.

Incompatible products
Keep away from oxidizing agents, from strongly alkaline and strongly acid materials. Do not store together with foodstuffs. Do not store together with: Isocyanates; Anhydrides

7.3 Specific end use(s)
No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

No	Substance name	CAS no.	EC no.
1	**Silicon dioxide (amorphous)**	**112945-52-5**	**231-545-4**
	List of approved workplace exposure limits (WELs) / EH40		
	Silica, amorphous inhalable dust		
	WEL long-term (8-hr TWA reference period)	6 mg/m³	
	List of approved workplace exposure limits (WELs) / EH40		
	Silica, amorphous respirable dust		
	WEL long-term (8-hr TWA reference period)	2.4 mg/m³	
2	**titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]**	**13463-67-7**	**236-675-5**
	List of approved workplace exposure limits (WELs) / EH40		
	Titanium dioxide		
	total inhalable dust		
	WEL long-term (8-hr TWA reference period)	10 mg/m³	
	List of approved workplace exposure limits (WELs) / EH40		
	Titanium dioxide		
	respirable dust		
	WEL long-term (8-hr TWA reference period)	4 mg/m³	

DNEL, DMEL and PNEC values

DNEL values (worker)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	**m-phenylenebis(methylamine)**			**1477-55-0 216-032-5**	
	dermal	Long term (chronic)	systemic	0.33	mg/kg
	inhalative	Long term (chronic)	systemic	1.2	mg/m³
	inhalative	Long term (chronic)	local	0.2	mg/m³
2	**3-aminomethyl-3,5,5-trimethylcyclohexylamine**			**2855-13-2 220-666-8**	
	inhalative	Long term (chronic)	local	0.073	mg/m³

	inhalative	Short term (acut)	local	0.073	mg/m³
3	**benzyl alcohol**			**100-51-6 202-859-9**	
	dermal	Long term (chronic)	systemic	8	mg/kg/day
	dermal	Short term (acut)	systemic	40	mg/kg/day
	inhalative	Long term (chronic)	systemic	22	mg/m³
	inhalative	Short term (acut)	systemic	110	mg/m³
4	**Phenol, styrenated**			**61788-44-1 262-975-0**	
	dermal	Long term (chronic)	systemic	21	mg/kg/day
	inhalative	Long term (chronic)	systemic	74	mg/m³
5	**titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]**			**13463-67-7 236-675-5**	
	inhalative	Long term (chronic)	local	10	mg/m³

DNEL value (consumer)

No	Substance name			CAS / EC no	
	Route of exposure	**Exposure time**	**Effect**	**Value**	
1	**3-aminomethyl-3,5,5-trimethylcyclohexylamine**			**2855-13-2 220-666-8**	
	oral	Long term (chronic)	systemic	0.526	mg/kg/day
2	**benzyl alcohol**			**100-51-6 202-859-9**	
	oral	Long term (chronic)	systemic	4	mg/kg/day
	oral	Short term (acut)	systemic	20	mg/kg/day
	dermal	Long term (chronic)	systemic	4	mg/kg/day
	dermal	Long term (chronic)	systemic	20	mg/kg/day
	inhalative	Long term (chronic)	systemic	5.4	mg/m³
	inhalative	Short term (acut)	systemic	4	mg/m³
3	**Phenol, styrenated**			**61788-44-1 262-975-0**	
	oral	Long term (chronic)	systemic	7.5	mg/kg bw/day
	dermal	Long term (chronic)	systemic	7.5	mg/kg bw/day
	inhalative	Long term (chronic)	systemic	13.1	mg/m³
4	**titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]**			**13463-67-7 236-675-5**	
	oral	Long term (chronic)	systemic	700	mg/kg/day

PNEC values

No	Substance name		CAS / EC no	
	ecological compartment	**Type**	**Value**	
1	**m-phenylenebis(methylamine)**		**1477-55-0 216-032-5**	
	water	fresh water	0.094	mg/L
	water	marine water	0.0094	mg/L
	water	fresh water sediment	12.4	mg/kg
	with reference to: dry mass			
	water	marine water sediment	1.24	mg/kg
	with reference to: dry mass			
	soil	-	2.44	mg/kg
	with reference to: dry mass			
	sewage treatment plant	-	10	mg/L
2	**3-aminomethyl-3,5,5-trimethylcyclohexylamine**		**2855-13-2 220-666-8**	
	water	fresh water	0.06	mg/L
	water	marine water	0.006	mg/L
	water	fresh water sediment	5.784	mg/kg dry weight
	water	marine water sediment	0.578	mg/kg dry

				weight
	soil	-	1.121	mg/kg dry weight
	sewage treatment plant	-	3.18	mg/L
3	**benzyl alcohol**		**100-51-6 202-859-9**	
	water	fresh water	1	mg/L
	water	marine water	0.1	mg/L
	water	Aqua intermittent	2.3	mg/L
	water	fresh water sediment	5.27	mg/kg
	with reference to: dry weight			
	water	marine water sediment	0.527	mg/kg
	with reference to: dry weight			
	soil	-	0.456	mg/kg
	with reference to: dry weight			
	sewage treatment plant	-	39	mg/L
4	**Phenol, styrenated**		**61788-44-1 262-975-0**	
	water	fresh water	4	µg/L
	water	marine water	0.4	µg/L
	water	fresh water sediment	0.248	mg/kg dry weight
	water	marine water sediment	24.8	µg/kg dry weight
	soil	-	47.3	µg/kg dry weight
	sewage treatment plant	-	36.2	mg/L
5	**titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]**		**13463-67-7 236-675-5**	
	water	fresh water	0.127	mg/L
	water	marine water	1	mg/L
	water	Aqua intermittent	0.61	mg/L
	water	fresh water sediment	1000	mg/kg
	with reference to: dry weight			
	water	marine water sediment	100	mg/kg
	with reference to: dry weight			
	soil	-	100	mg/kg
	with reference to: dry weight			
	sewage treatment plant	-	100	mg/L
	secondary poisoning	mammalian	1667	mg/kg

8.2 Exposure controls

Appropriate engineering controls
No data available.

Personal protective equipment

Respiratory protection
If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Eye / face protection
Safety glasses with side protection shield (EN 166)

Hand protection
Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid

permanent use of protective gloves.

Appropriate Material	In case of longer-term contact:
Appropriate Material	viton
Appropriate Material	In case of short-term contact / splash protection:
Appropriate Material	nitrile

Other
Normal chemical work clothing.

Environmental exposure controls
No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

State of aggregation
solid

Form/Colour
solid; paste
grey

Odour
characteristic

pH value
No data available

Boiling point / boiling range
No data available

Melting point/freezing point
No data available

Decomposition temperature
No data available

Flash point			
Value	>	100	°C

Ignition temperature
No data available

Flammability
No data available

Lower explosion limit
No data available

Upper explosion limit
No data available

Vapour pressure
No data available

Relative vapour density
No data available

Relative density
No data available

Density		
Value	1.95	g/ml
Reference temperature	20	°C

Solubility in water

Comments	insoluble

Solubility
No data available

Partition coefficient n-octanol/water (log value)				
No	**Substance name**	**CAS no.**		**EC no.**
1	**3-aminomethyl-3,5,5-trimethylcyclohexylamine**	**2855-13-2**		**220-666-8**
log Pow			0.99	
Reference temperature			23	°C
with reference to		pH 6.34		
Source		ECHA		
2	**benzyl alcohol**	**100-51-6**		**202-859-9**
log Pow			1.05	
Reference temperature			20	°C
Source		ECHA		
3	**Phenol, styrenated**	**61788-44-1**		**262-975-0**
log Pow		>	4	
Reference temperature			25	°C
Source		ECHA		

Viscosity
No data available

Particle characteristics
No data available

9.2 Other information

Other information
No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity
No data available.

10.2 Chemical stability
Stable under recommended storage and handling conditions (See section 7).

10.3 Possibility of hazardous reactions
Dangerous reactions are not to be expected when handling product according to its intended use.

10.4 Conditions to avoid
None, if handled according to intended use.

10.5 Incompatible materials
Acids; Bases; Oxidizing agents; Anhydrides; Isocyanates

10.6 Hazardous decomposition products
No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute oral toxicity (result of the ATE calculation for the mixture)	
No	**Product Name**
1	**Seatec Epoxy Spachtel Härter**
Comments	The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the

	respective categories (ATE oral > 2000 mg/kg).

Acute oral toxicity				
No	**Substance name**	**CAS no.**		**EC no.**
1	**3-aminomethyl-3,5,5-trimethylcyclohexylamine**	**2855-13-2**		**220-666-8**
LD50		1030		mg/kg bodyweight
Species	rat			
Method	OECD 401			
Source	ECHA			
2	**benzyl alcohol**	**100-51-6**		**202-859-9**
LD50	=	1620		mg/kg bodyweight
Species	rat			
Source	ECHA			
3	**Phenol, styrenated**	**61788-44-1**		**262-975-0**
LD50	>	2500		mg/kg bodyweight
Species	rat			
Method	OECD 423			
Source	ECHA			
Evaluation/classification	Based on available data, the classification criteria are not met.			
4	**titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]**	**13463-67-7**		**236-675-5**
LD50	>	2000		mg/kg bodyweight
Species	rat			
Method	OECD 401			
Source	ECHA			
Evaluation/classification	Based on available data, the classification criteria are not met.			

Acute dermal toxicity (result of the ATE calculation for the mixture)	
No	**Product Name**
1	**Seatec Epoxy Spachtel Härter**
Comments	The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE dermal > 2000 mg/kg).

Acute dermal toxicity				
No	**Substance name**	**CAS no.**		**EC no.**
1	**3-aminomethyl-3,5,5-trimethylcyclohexylamine**	**2855-13-2**		**220-666-8**
LD50	>	2000		mg/kg bodyweight
Species	rabbit			
Method	OECD 402			
Source	ECHA			
2	**Phenol, styrenated**	**61788-44-1**		**262-975-0**
LD50	>	2000		mg/kg bodyweight
Species	rat			
Method	OECD 402			
Source	ECHA			
Evaluation/classification	Based on available data, the classification criteria are not met.			

Acute inhalational toxicity (result of the ATE calculation for the mixture)	
No	**Product Name**
1	**Seatec Epoxy Spachtel Härter**
Comments	The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE for inhalation: > 20.000 ppmV (gases), > 20 mg/l (vapours), > 5 mg/l (dusts/mists).

Acute inhalational toxicity				
No	**Substance name**	**CAS no.**		**EC no.**
1	**3-aminomethyl-3,5,5-trimethylcyclohexylamine**	**2855-13-2**		**220-666-8**
LC50	>	5.01		mg/l
Duration of exposure		4		h
State of aggregation	mist			
Species	rat			
Method	OECD 403			
Source	ECHA			
2	**benzyl alcohol**	**100-51-6**		**202-859-9**
LC50	>	4.178		mg/l
Duration of exposure		4		h
State of aggregation	mist			
Species	rat			
Method	OECD 403			
Source	ECHA			
3	**titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]**	**13463-67-7**		**236-675-5**
LC50	>	6.82		mg/l
Duration of exposure		4		h
State of aggregation	Dust			
Species	rat			
Source	ECHA			
Evaluation/classification	Based on available data, the classification criteria are not met.			

Skin corrosion/irritation			
No	**Substance name**	**CAS no.**	**EC no.**
1	**3-aminomethyl-3,5,5-trimethylcyclohexylamine**	**2855-13-2**	**220-666-8**
Species	rabbit		
Method	Draize method		
Source	ECHA		
Evaluation	corrosive		
2	**benzyl alcohol**	**100-51-6**	**202-859-9**
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	non-irritant		
3	**titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]**	**13463-67-7**	**236-675-5**
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	non-irritant		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Serious eye damage/irritation			
No	**Substance name**	**CAS no.**	**EC no.**
1	**3-aminomethyl-3,5,5-trimethylcyclohexylamine**	**2855-13-2**	**220-666-8**
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	corrosive		
2	**benzyl alcohol**	**100-51-6**	**202-859-9**
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	irritant		
3	**Phenol, styrenated**	**61788-44-1**	**262-975-0**

Species	rabbit
Method	OECD 405
Source	ECHA
Evaluation	non-irritant
Evaluation/classification	Based on available data, the classification criteria are not met.

4	**titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]**	**13463-67-7**	**236-675-5**

Species	rabbit
Method	OECD 405
Source	ECHA
Evaluation	non-irritant
Evaluation/classification	Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation

No	Substance name	CAS no.	EC no.
1	**3-aminomethyl-3,5,5-trimethylcyclohexylamine**	**2855-13-2**	**220-666-8**

Route of exposure	Skin
Species	guinea pig
Method	OECD 406
Source	ECHA
Evaluation	sensitizing

2	**Phenol, styrenated**	**61788-44-1**	**262-975-0**

Route of exposure	Skin
Species	mouse
Method	OECD 429
Source	ECHA
Evaluation	sensitizing
Evaluation/classification	Based on available data, the classification criteria are not met.

3	**titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]**	**13463-67-7**	**236-675-5**

Route of exposure	Skin
Species	mouse
Method	OECD 429
Source	ECHA
Evaluation	non-sensitizing
Evaluation/classification	Based on available data, the classification criteria are not met.

Germ cell mutagenicity

No	Substance name	CAS no.	EC no.
1	**3-aminomethyl-3,5,5-trimethylcyclohexylamine**	**2855-13-2**	**220-666-8**

Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.

2	**Phenol, styrenated**	**61788-44-1**	**262-975-0**

Species	Salmonella typhimurium TA98, TA100, TA102, TA1535, TA1537
Method	OECD 471
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.
Species	mouse
Method	OECD 474
Evaluation/classification	Based on available data, the classification criteria are not met.

3	**titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]**	**13463-67-7**	**236-675-5**

Type of examination	In vitro mammalian cytogenicity
Method	OECD 487
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.

Reproduction toxicity			
No	**Substance name**	**CAS no.**	**EC no.**
1	**3-aminomethyl-3,5,5-trimethylcyclohexylamine**	**2855-13-2**	**220-666-8**
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	**titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]**	**13463-67-7**	**236-675-5**
Route of exposure	oral		
NOAEL	>=	1000	mg/kg bw/d
Type of examination	Reproductive studies - one generation		
Species	rat		
Method	OECD 443		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
Route of exposure	oral		
NOAEL		1000	mg/kg bw/d
Type of examination	Prenatal Developmental Toxicity Study		
Species	rat		
Method	OECD 414		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Carcinogenicity			
No	**Substance name**	**CAS no.**	**EC no.**
1	**benzyl alcohol**	**100-51-6**	**202-859-9**
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	**titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]**	**13463-67-7**	**236-675-5**
Route of exposure	oral		
NOEL		7500	mg/kg bw/d
Species	mouse		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

STOT - single exposure
No data available

STOT - repeated exposure			
No	**Substance name**	**CAS no.**	**EC no.**
1	**titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]**	**13463-67-7**	**236-675-5**
Route of exposure	oral		
NOAEL	>	962	mg/kg bw/d
Species	rat		
Method	OECD 408		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Aspiration hazard
No data available

11.2 Information on other hazards

Endocrine disrupting properties
No data available.

Other information
No data available.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)					
No	**Substance name**	**CAS no.**		**EC no.**	
1	**3-aminomethyl-3,5,5-trimethylcyclohexylamine**	**2855-13-2**		**220-666-8**	
LC50			110		mg/l
Duration of exposure			96		h
Species		Leuciscus idus			
Method		EEC C1			
Source		ECHA			
2	**benzyl alcohol**	**100-51-6**		**202-859-9**	
LC50			460		mg/l
Duration of exposure			96		h
Species		Pimephales promelas			
Method		EPA OPP 72-1			
Source		ECHA			
3	**Phenol, styrenated**	**61788-44-1**		**262-975-0**	
LC50			1.77		mg/l
Duration of exposure			96		h
Species		Danio rerio			
Method		OECD 203			
Source		ECHA			

Toxicity to fish (chronic)					
No	**Substance name**	**CAS no.**		**EC no.**	
1	**Phenol, styrenated**	**61788-44-1**		**262-975-0**	
NOEC			1.9		mg/l
Species		fish			
Method		OECD 204			
Source		ECHA			

Toxicity to Daphnia (acute)					
No	**Substance name**	**CAS no.**		**EC no.**	
1	**3-aminomethyl-3,5,5-trimethylcyclohexylamine**	**2855-13-2**		**220-666-8**	
EC50			23		mg/l
Duration of exposure			48		h
Species		Daphnia magna			
Method		OECD 202			
Source		ECHA			
2	**benzyl alcohol**	**100-51-6**		**202-859-9**	
EC50			230		mg/l
Duration of exposure			48		h
Species		Daphnia magna			
Method		OECD 202			
Source		ECHA			
3	**Phenol, styrenated**	**61788-44-1**		**262-975-0**	
EC50			4.6		mg/l
Duration of exposure			48		h
Species		Daphnia magna			
Method		OECD 202			
Source		ECHA			

Toxicity to Daphnia (chronic)					
No	**Substance name**	**CAS no.**		**EC no.**	
1	**3-aminomethyl-3,5,5-trimethylcyclohexylamine**	**2855-13-2**		**220-666-8**	
NOEC			3		mg/l
Duration of exposure			21		day(s)

Species	Daphnia magna
Method	OECD 211
Source	ECHA

2	benzyl alcohol	100-51-6	202-859-9	
NOEC			51	mg/l
Duration of exposure			21	day(s)
Species	Daphnia magna			
Method	OECD 211			
Source	ECHA			

3	Phenol, styrenated	61788-44-1	262-975-0	
NOEC			0.2	mg/l
Species	Daphnia magna			
Method	OECD 211			
Source	ECHA			

Toxicity to algae (acute)

No	Substance name	CAS no.	EC no.	
1	3-aminomethyl-3,5,5-trimethylcyclohexylamine	2855-13-2	220-666-8	
EC50			37	mg/l
Duration of exposure			72	h
Species	Desmodesmus subspicatus			
Method	EEC C3			
Source	ECHA			
2	benzyl alcohol	100-51-6	202-859-9	
EC50			500	mg/l
Duration of exposure			72	h
Species	Pseudokirchneriella subcapitata			
Method	OECD 201			
Source	ECHA			
3	titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]	13463-67-7	236-675-5	
EC50	>		100	mg/l
Duration of exposure			72	h
Species	Pseudokirchneriella subcapitata			
Method	OECD 201			
Source	ECHA			

Toxicity to algae (chronic)

No	Substance name	CAS no.	EC no.	
1	3-aminomethyl-3,5,5-trimethylcyclohexylamine	2855-13-2	220-666-8	
NOEC			1.5	mg/l
Duration of exposure			72	
Species	Desmodesmus subspicatus			
Method	440/2008/EC C.3.			
Source	ECHA			
2	benzyl alcohol	100-51-6	202-859-9	
NOEC			31072	mg/l
Duration of exposure			72	
Species	Pseudokirchneriella subcapitata			
Method	OECD 201			
Source	ECDIN			

Bacteria toxicity

No	Substance name	CAS no.	EC no.	
1	titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]	13463-67-7	236-675-5	
EC50	>		1000	
Duration of exposure			3	h

Species	activated sludge
Method	OECD 209
Source	ECHA

12.2 Persistence and degradability

Biodegradability					
No	**Substance name**	**CAS no.**			**EC no.**
1	**3-aminomethyl-3,5,5-trimethylcyclohexylamine**	**2855-13-2**			**220-666-8**
Value				8	%
Duration				28	day(s)
Method		92/69 EEC C.4-A			
Source		ECHA			
Evaluation		not readily biodegradable			
2	**benzyl alcohol**	**100-51-6**			**202-859-9**
Type		BOD of the ThOD			
Value		92	-	96	%
Duration				14	day(s)
Method		OECD 301 C			
Source		ECHA			
Evaluation		readily biodegradable			

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log value)					
No	**Substance name**	**CAS no.**			**EC no.**
1	**3-aminomethyl-3,5,5-trimethylcyclohexylamine**	**2855-13-2**			**220-666-8**
log Pow				0.99	
Reference temperature				23	°C
with reference to		pH 6.34			
Source		ECHA			
2	**benzyl alcohol**	**100-51-6**			**202-859-9**
log Pow				1.05	
Reference temperature				20	°C
Source		ECHA			
3	**Phenol, styrenated**	**61788-44-1**			**262-975-0**
log Pow		>		4	
Reference temperature				25	°C
Source		ECHA			

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

No data available.

12.8 Other information

Other information
Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

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

Packaging
Residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

SECTION 14: Transport information

14.1 Transport ADR/RID/ADN

Class	8
Classification code	C10
Packing group	II
Hazard identification no.	80
UN number	UN1759
Proper shipping name	CORROSIVE SOLID, N.O.S.
Technical name	m-phenylenebis(methylamine) 3-aminomethyl-3,5,5-trimethylcyclohexylamine
Tunnel restriction code	E
Label	8

14.2 Transport IMDG

Class	8
Packing group	II
UN number	UN1759
Proper shipping name	CORROSIVE SOLID, N.O.S.
Technical name	m-phenylenebis(methylamine) 3-aminomethyl-3,5,5-trimethylcyclohexylamine
EmS	F-A, S-B
Label	8

14.3 Transport ICAO-TI / IATA

Class	8
Packing group	II
UN number	UN1759
Proper shipping name	Corrosive solid, n.o.s.
Technical name	m-phenylenebis(methylamine) 3-aminomethyl-3,5,5-trimethylcyclohexylamine
Label	8

14.4 Other information
No data available.

14.5 Environmental hazards
Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user
No data available.

14.7 Maritime transport in bulk according to IMO instruments
Not relevant

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)
According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances subject to restriction as listed in Annex XVII of the REACH regulation (EC) 1907/2006.

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This product is not subject to Part 1 or 2 of Annex I.

Other regulations

Adhere to the national sanitary and occupational safety regulations when using this product.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

SECTION 16: Other information

Sources of key data used to compile the data sheet:
Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.
Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.
National Threshold Limit Values of the corresponding countries as amended in each case.
Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.
The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

EUH071	Corrosive to the respiratory tract.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H351i	Suspected of causing cancer by inhalation.
H373	May cause damage to organs through prolonged or repeated exposure
H411	Toxic to aquatic life with long lasting effects.

Notes relating to the identification, classification and labelling of substances and mixtures ((EC) No 1272/2008, Annex VI)

V	If the substance is to be placed on the market as fibres (with diameter < 3 µm, length > 5 µm and aspect ratio ≥ 3:1) or particles of the substance fulfilling the WHO fibre criteria or as particles with modified surface chemistry, their hazardous properties must be evaluated in accordance with Title II of this Regulation, to assess whether a higher category (Carc. 1B or 1A) and/or additional routes of exposure (oral or dermal) should be applied.
W	It has been observed that the carcinogenic hazard of this substance arises when respirable dust is inhaled in quantities leading to significant impairment of particle clearance mechanisms in the lung. This note aims to describe the particular toxicity of the substance; it does not constitute a criterion for classification according to this Regulation.
1	The concentration stated or, in the absence of such concentrations, the generic concentrations of this Regulation (Table 3.1) or the generic concentrations of Directive 1999/45/EC (Table 3.2), are the percentages by weight of the metallic element calculated with reference to the total weight of the mixture.

Creation of the safety data sheet
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This information is based on our present knowledge and experience.
The safety data sheet describes products with a view to safety requirements.
It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

Alterations/supplements:
Alterations to the previous edition are marked in the left-hand margin.

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