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

1.1 Product identifier

Trade name

einzA Garant; einzA mix Garant Basis 1, Basis 3

UFI:
1ECK-Q1N0-S008-RA8S

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

Relevant identified uses of the substance or mixture
coating material

Uses advised against
No data available.

1.3 Details of the supplier of the safety data sheet

Address
einzA Farben GmbH & Co KG
Junkersstraße 13
30179 Hannover

Telephone no. +49 (0)511 67490-0
Fax no. +49 (0)511 67490-20
e-mail info@einzA.com

Information provided by / telephone
In emergencies, the country-specific emergency number can be found in the corresponding country-specific safety data sheets.

Advice on Safety Data Sheet
sdb_info@umco.de

1.4 Emergency telephone number

+49 (0)40 0511 - 674 90-0

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
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



GHS07

Signal word
Warning

Hazardous component(s) to be indicated on label:

2-octyl-2H-isothiazol-3-one

Hazard statement(s)

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

Hazard statements (EU)

EUH208	Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1). May produce an allergic reaction.

Precautionary statement(s)

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P280	Wear protective gloves/eye protection.
P501	Dispose of contents/container to a facility in accordance with local and national regulations.

UFI:
1ECK-Q1N0-S008-RA8S

2.3 Other hazards

The product does not contain any components > 0.1% that meet the criteria for PBT and vPvB according to Regulation (EC) No. 1907/2006, Annex XIII, or that have been included in the list compiled in accordance with Article 59(1). This product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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	**Kieselguhr, soda ash flux-calcined**			
	68855-54-9 272-489-0 - 01-2119488518-22	STOT RE 2; H373i	< 5,00	wt%
2	**1,2-benzisothiazol-3(2H)-one**			
	2634-33-5 220-120-9 613-088-00-6 -	Acute Tox. 4; H302 Skin Irrit. 2; H315 Skin Sens. 1A; H317 Eye Dam. 1; H318 Acute Tox. 2; H330 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	< 0,10	wt%
3	**bronopol**			
	52-51-7 200-143-0 603-085-00-8 01-2119980938-15	Acute Tox. 4; H302 Acute Tox. 4; H312 Eye Dam. 1; H318 Skin Irrit. 2; H315 STOT SE 3; H335 Aquatic Acute 1; H400 Aquatic Chronic 2; H411	< 0,10	wt%
4	**pyrithione zinc**			

	13463-41-7 236-671-3 613-333-00-7 -	Acute Tox. 3; H301 Acute Tox. 2; H330 Eye Dam. 1; H318 Repr. 1B; H360D STOT RE 1; H372 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	< 0,10	wt%
5	**2-octyl-2H-isothiazol-3-one**			
	26530-20-1 247-761-7 613-112-00-5 -	Acute Tox. 3; H301 Acute Tox. 3; H311 Skin Corr. 1; H314 Skin Sens. 1A; H317 Eye Dam. 1; H318 Acute Tox. 2; H330 Aquatic Chronic 1; H410 Aquatic Acute 1; H400 EUH071	< 0,10	wt%
6	**terbutryn**			
	886-50-0 212-950-5 - -	Aquatic Acute 1; H400 Aquatic Chronic 1; H410 Acute Tox. 4; H302 Skin Sens. 1; H317	< 0,025	wt%
7	**reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1)**			
	55965-84-9 - 613-167-00-5 -	Acute Tox. 2; H310 Acute Tox. 2; H330 Acute Tox. 3; H301 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 EUH071 Eye Dam. 1; H318 Skin Corr. 1C; H314 Skin Sens. 1A; H317	< 0,0015	wt%

Full text of H- and EUH-phrases, if not already mentioned in section 2.2: see section 16.

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
2	-	Skin Sens. 1A; H317: C >= 0,036%	M = 1	M = 1
3	-	-	M = 10	-
4	-	-	M = 1000	M = 10
5	-	Skin Sens. 1A; H317: C >= 0,0015%	M = 100	M = 100
6	-	-	M = 100	M = 100
7	B	Skin Sens. 1A; H317: C >= 0,0015% Eye Irrit. 2; H319: C >= 0,06% Skin Irrit. 2; H315: C >= 0,06% Skin Corr. 1C; H314: C >= 0,6% Eye Dam. 1; H318: C >= 0,6%	M = 100	M = 100

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
1	H373i inhalational; -; -

Acute toxicity estimate (ATE) values			
No	**oral**	**dermal**	**inhalative**
2	450 mg/kg bodyweight		
3	305 mg/kg bodyweight		
4	221 mg/kg bodyweight		
5	125 mg/kg bodyweight	311 mg/kg bodyweight	
6	500 mg/kg bodyweight		

SECTION 4: First aid measures

4.1 Description of first aid measures

General information
In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious place in recovery position and seek medical advice.

After inhalation
Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration.

After skin contact
Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.

After eye contact
Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

After ingestion
If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

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
Not combustible under normal conditions. Extinguishing measures to suit surroundings.

Unsuitable extinguishing media
No data available.

5.2 Special hazards arising from the substance or mixture
None known.

5.3 Advice for firefighters
Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel
Avoid breathing vapours. Refer to protective measures listed in sections 7 and 8.

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

6.2 Environmental precautions
If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations. Do not allow to enter drains/watercourses/soil.

6.3 Methods and material for containment and cleaning up
Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean preferably with a detergent - avoid use of solvents.

6.4 Reference to other sections
No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling
Avoid the inhalation of dust, particulates and spray mist arising from the application of this mixture. Avoid inhalation of dust from sanding. For personal protection see section 8.

General protective and hygiene measures
Avoid skin and eye contact. Do not eat or drink during work - no smoking. Wash hands before breaks and after work. Clean skin thoroughly after work; apply skin cream.

Advice on protection against fire and explosion
No special measures necessary.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions
Comply with legal health and safety regulations; Storage in accordance with the Ordinance on Industrial Safety and Health. Prevent unauthorised access. No smoking. Keep from freezing.

Requirements for storage rooms and vessels
Always keep in containers of same material as the original one. Never use pressure to empty: container is not a pressure vessel. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep container tightly closed. Observe label precautions.

Incompatible products
Store away from oxidising agents, from strongly alkaline and strongly acid materials.

Stoarge Class according TRGS 510
12 Non-combustible liquids that cannot be assigned to any of the above storage classes.

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	**Kieselguhr, soda ash flux-calcined**	**68855-54-9**	**272-489-0**
	TRGS 900		
	Kieselgur, gebrannt		
	WEL long-term (8-hr TWA reference period)	0,3 A mg/m³	
	Notes	Y, 1	
2	**2-octyl-2H-isothiazol-3-one**	**26530-20-1**	**247-761-7**
	TRGS 900		
	2-Octyl-2H-isothiazol-3-on		
	WEL long-term (8-hr TWA reference period)	0,05 E mg/m³	
	Ceiling Limit Skin resorption / sensibilisation Notes	2 (I) H Y	

DNEL, DMEL and PNEC values

DNEL values (worker)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	**Kieselguhr, soda ash flux-calcined**			**68855-54-9 272-489-0**	
	inhalative	Long term (chronic)	systemic	0,05	mg/m³
2	**bronopol**			**52-51-7 200-143-0**	
	dermal	Long term (chronic)	systemic	2,3	mg/kg/day
	dermal	Short term (acut)	systemic	7	mg/kg/day
	dermal	Long term (chronic)	local	13	µg/cm²

	dermal	Short term (acut)	local	13	µg/cm²
	inhalative	Long term (chronic)	systemic	4,1	mg/m³
	inhalative	Short term (acut)		12,3	mg/m³
	inhalative	Long term (chronic)	local	4.2	mg/m³
	inhalative	Short term (acut)	local	4,2	mg/m³

DNEL value (consumer)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	**Kieselguhr, soda ash flux-calcined**			**68855-54-9 272-489-0**	
	oral	Long term (chronic)	systemic	18,7	mg/kg bw/day
	inhalative	Long term (chronic)	systemic	0,05	mg/m³
2	**bronopol**			**52-51-7 200-143-0**	
	oral	Long term (chronic)	systemic	0,35	mg/kg/day
	oral	Short term (acut)	systemic	1,1	mg/kg/day
	dermal	Long term (chronic)	systemic	1,4	mg/kg/day
	dermal	Short term (acut)	systemic	4,2	mg/kg/day
	dermal	Long term (chronic)	local	8	µg/cm²
	dermal	Short term (acut)	local	8	µg/cm²
	inhalative	Long term (chronic)	systemic	1,2	mg/m³
	inhalative	Short term (acut)	systemic	3,7	mg/m³
	inhalative	Long term (chronic)	local	1,3	mg/m³
	inhalative	Short term (acut)	local	1,3	mg/m³

PNEC values

No	Substance name		CAS / EC no	
	ecological compartment	Type	Value	
1	**Kieselguhr, soda ash flux-calcined**		**68855-54-9 272-489-0**	
	sewage treatment plant	-	100	mg/L
2	**bronopol**		**52-51-7 200-143-0**	
	water	fresh water	0,01	mg/L
	water	marine water	0,001	mg/L
	water	fresh water sediment	0,041	mg/kg dry weight
	water	marine water sediment	0,003	mg/kg dry weight
	soil	-	0,5	mg/kg dry weight
	sewage treatment plant	-	0,43	mg/L

8.2 Exposure controls

Appropriate engineering controls
Provide good ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Personal protective equipment

Respiratory protection
Not necessary. When applied by spraying: Filter A2P2 (DIN EN 14387)

Eye / face protection
Wear safety googles to protect against splashes. 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 short-term contact / splash protection: nitrile rubber		
Material thickness	>	0,4	mm
Breakthrough time	>	120	min
Appropriate Material	In case of prolonged exposure: nitrile rubber		
Material thickness	>	0,4	mm
Breakthrough time	>	480	min

Other
Light protective clothing

Environmental exposure controls
Do not allow to enter drains or water courses.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

State of aggregation
liquid

Form
liquid

Colour
according to product name

Odour
characteristic

pH value			
Value	7,0	-	9,0

Boiling point / boiling range			
Value		100	°C

Melting point/freezing point
No data available

Decomposition temperature
No data available

Flash point
Not applicable

Ignition temperature
No data available

Oxidising properties
Not applicable

Flammability
Not applicable

Lower explosion limit
No data available

Upper explosion limit
No data available

Vapour pressure			
Value	<	100	hPa
Reference temperature		50	°C

Relative vapour density
No data available

Relative density
No data available

Density				
Value	1,30	-	1,70	g/cm³
Reference temperature			25	°C
Method	DIN 51757			

Solubility in water	
Comments	miscible

Solubility
No data available

Partition coefficient n-octanol/water (log value)			
No	**Substance name**	**CAS no.**	**EC no.**
1	**terbutryn**	**886-50-0**	**212-950-5**
log Pow		3,74	

Kinematic viscosity				
Value	5000	-	15000	mPa*s
Reference temperature			25	°C
Method	DIN 53019			

Solvent separation test
Not applicable

Particle characteristics
No data available

Microplastics
This product does not contain synthetic polymer microparticles >= 0.01%.

9.2 Other information

Other information
No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity
Stable under recommended storage and handling conditions (See section 7).

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

10.3 Possibility of hazardous reactions
Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

10.4 Conditions to avoid
Heat, naked flames and other ignition sources.

10.5 Incompatible materials
Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

10.6 Hazardous decomposition products
None if stored, handled and transported properly. In case of fire: see section 5.

SECTION 11: Toxicological information

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

Acute oral toxicity				
No	**Substance name**	**CAS no.**	**EC no.**	
1	**Kieselguhr, soda ash flux-calcined**	**68855-54-9**	**272-489-0**	
LD50	>	2000		mg/kg bodyweight
Species	rat			
Method	OECD 420			
Source	ECHA			

2	**1,2-benzisothiazol-3(2H)-one**	**2634-33-5**		**220-120-9**
ATE			450	mg/kg bodyweight
Source		1272/2008/EC, Annex VI		
3	**bronopol**	**52-51-7**		**200-143-0**
LD50			305	mg/kg bodyweight
Species		rat		
Source		ECHA		
4	**pyrithione zinc**	**13463-41-7**		**236-671-3**
ATE			221	mg/kg bodyweight
Species		rat		
Source		1272/2008/EC, Annex VI		
5	**2-octyl-2H-isothiazol-3-one**	**26530-20-1**		**247-761-7**
ATE			125	mg/kg bodyweight
Species		rat		
Source		1272/2008/EC, Annex VI		
6	**terbutryn**	**886-50-0**		**212-950-5**
LD50		appr.	500	mg/kg bodyweight
Species		rat		
Evaluation/classification		Based on available data, the classification criteria are met.		

Acute dermal toxicity				
No	**Substance name**	**CAS no.**		**EC no.**
1	**2-octyl-2H-isothiazol-3-one**	**26530-20-1**		**247-761-7**
ATE			311	mg/kg bodyweight
Species		rabbit		
Source		1272/2008/EC, Annex VI		
2	**terbutryn**	**886-50-0**		**212-950-5**
LD50		>	2000	mg/kg bodyweight
Species		rat		
Evaluation/classification		Based on available data, the classification criteria are not met.		

Acute inhalational toxicity				
No	**Substance name**	**CAS no.**		**EC no.**
1	**Kieselguhr, soda ash flux-calcined**	**68855-54-9**		**272-489-0**
LC50		>	2,6	mg/l
Duration of exposure			4	h
State of aggregation		Dust		
Species		rat		
Method		OECD 403		
Source		ECHA		
2	**1,2-benzisothiazol-3(2H)-one**	**2634-33-5**		**220-120-9**
ATE			0,21	mg/l
State of aggregation		Dust/mist		
Source		1272/2008/EC, Annex VI		
Evaluation/classification		Based on available data, the classification criteria are met.		
3	**bronopol**	**52-51-7**		**200-143-0**
LC50		>=	0,588	mg/l
Duration of exposure			4	h
State of aggregation		Dust/mist		
Species		rat		
Source		ECHA		
4	**pyrithione zinc**	**13463-41-7**		**236-671-3**
ATE			0,14	mg/l
State of aggregation		Dust/mist		
Species		rat		
Source		1272/2008/EC, Annex VI		
5	**2-octyl-2H-isothiazol-3-one**	**26530-20-1**		**247-761-7**
ATE			0,27	mg/l
Duration of exposure			4	h
State of aggregation		Dust/mist		
Species		rat		
Source		1272/2008/EC, Annex VI		

6	terbutryn	886-50-0	212-950-5
LC50		> 5,21	mg/l
Duration of exposure		4	h
State of aggregation		Dust/mist	
Species		rat	
Evaluation/classification		Based on available data, the classification criteria are not met.	

Skin corrosion/irritation			
No	**Substance name**	**CAS no.**	**EC no.**
1	**Kieselguhr, soda ash flux-calcined**	**68855-54-9**	**272-489-0**
Method		OECD 431	
Source		ECHA	
Evaluation		non-irritant	
2	**bronopol**	**52-51-7**	**200-143-0**
Duration of exposure		4	h
Species		rabbit	
Method		OECD 404	
Source		ECHA	
Evaluation		irritant	

Serious eye damage/irritation			
No	**Substance name**	**CAS no.**	**EC no.**
1	**Kieselguhr, soda ash flux-calcined**	**68855-54-9**	**272-489-0**
Source		ECHA	
Evaluation		non-irritant	

Respiratory or skin sensitisation			
No	**Substance name**	**CAS no.**	**EC no.**
1	**Kieselguhr, soda ash flux-calcined**	**68855-54-9**	**272-489-0**
Route of exposure		Skin	
Species		mouse	
Method		OECD 429	
Source		ECHA	
Evaluation		non-sensitizing	

Germ cell mutagenicity

No data available

Reproduction toxicity

No data available

Carcinogenicity

No data available

STOT - single exposure

No data available

STOT - repeated exposure

No data available

Aspiration hazard

No data available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

The liquid splashed in the eyes may cause irritation and reversible damage. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

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	**Kieselguhr, soda ash flux-calcined**	**68855-54-9**		**272-489-0**
LC50		> 100		mg/l
Duration of exposure		96		h
Species		Oncorhynchus mykiss		
Method		OECD 203		
Source		ECHA		
Evaluation/classification		The tested concentration is above the limit of solubility. Based on available data, the classification criteria are not met.		
2	**bronopol**	**52-51-7**		**200-143-0**
LC50		35,7		mg/l
Duration of exposure		96		h
Species		Lepomis macrochirus		
Method		EPA OPP 72-1		
Source		ECHA		
3	**terbutryn**	**886-50-0**		**212-950-5**
LC50		1,8		mg/l
Duration of exposure		96		h
Species		fish		

Toxicity to fish (chronic)				
No	**Substance name**	**CAS no.**		**EC no.**
1	**bronopol**	**52-51-7**		**200-143-0**
NOEC		21,5		mg/l
Duration of exposure		49		day(s)
Species		Oncorhynchus mykiss		
Method		OECD 210		
Source		ECHA		

Toxicity to Daphnia (acute)				
No	**Substance name**	**CAS no.**		**EC no.**
1	**Kieselguhr, soda ash flux-calcined**	**68855-54-9**		**272-489-0**
EC50		> 100		mg/l
Duration of exposure		48		h
Species		Daphnia magna		
Method		OECD 202		
Source		ECHA		
Evaluation/classification		The tested concentration is above the limit of solubility. Based on available data, the classification criteria are not met.		
2	**bronopol**	**52-51-7**		**200-143-0**
EC50		1,4		mg/l
Duration of exposure		48		h
Species		Daphnia magna		
Method		OECD 202		
Source		ECHA		
3	**terbutryn**	**886-50-0**		**212-950-5**
EC50		7,1		mg/l
Duration of exposure		48		h
Species		Daphnia		

Toxicity to Daphnia (chronic)				
No	**Substance name**	**CAS no.**		**EC no.**
1	**bronopol**	**52-51-7**		**200-143-0**
NOEC		0,27		mg/l
Duration of exposure		21		day(s)
Species		Daphnia magna		
Method		OECD 211		

Source	ECHA

Toxicity to algae (acute)				
No	**Substance name**	**CAS no.**		**EC no.**
1	**Kieselguhr, soda ash flux-calcined**	**68855-54-9**		**272-489-0**
EC50		> 100		mg/l
Duration of exposure		72		h
Species		Desmodesmus subspicatus		
Method		OECD 201		
Source		ECHA		
Evaluation/classification		The tested concentration is above the limit of solubility. Based on available data, the classification criteria are not met.		
2	**terbutryn**	**886-50-0**		**212-950-5**
EC50		0,0055		mg/l
Duration of exposure		72		h
Species		Scenedesmus capricornutum		
Evaluation/classification		Based on available data, the classification criteria are met.		

Toxicity to algae (chronic)
No data available

Bacteria toxicity
No data available

12.2 Persistence and degradability

Biodegradability			
No	**Substance name**	**CAS no.**	**EC no.**
1	**terbutryn**	**886-50-0**	**212-950-5**
Evaluation		not readily biodegradable	

12.3 Bioaccumulative potential

Bioconcentration factor (BCF)			
No	**Substance name**	**CAS no.**	**EC no.**
1	**terbutryn**	**886-50-0**	**212-950-5**
BCF		103	

Partition coefficient n-octanol/water (log value)			
No	**Substance name**	**CAS no.**	**EC no.**
1	**terbutryn**	**886-50-0**	**212-950-5**
log Pow		3,74	

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 allow to enter drains or water courses.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste code 08 01 12 waste paint and varnish other than those mentioned in 08 01 11

The listed waste code numbers, according to the European Waste Catalogue, are to be understood as a recommendation. A final decision must be made in agreement with the regional waste disposal company.
Allow paint/varnish to dry out completely in a well-ventilated area and dispose of in residual waste once completely soldified. Dispose of liquid or non-drying residues separately.
Disposal of the product should be carried out in accordance with all applicable regulations following consultation with the responsible local authority and the disposal company in an authorised and suitable disposal facility.

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. Empty containers must be scrapped or reconditioned.

SECTION 14: Transport information

14.1 UN number or ID number
Not classified as dangerous in the meaning of transport regulations.

14.2 UN proper shipping name
Not classified as dangerous in the meaning of transport regulations.

14.3 Transport hazard class(es)
Not classified as dangerous in the meaning of transport regulations.

14.4 Packing group
Not classified as dangerous in the meaning of transport regulations.

14.5 Environmental hazards
Not classified as dangerous in the meaning of transport regulations.

14.6 Special precautions for user
Transport within the user's premises: Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

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

The product is considered being subject to REACH regulation (EC) 1907/2006 annex XVII. No 3

The product contains following substance(s) that are considered being subject to REACH regulation (EC) 1907/2006 annex XVII.

No	Substance name	CAS no.	EC no.	No
1	1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9	75
2	2-amino-2-methylpropanol	124-68-5	204-709-8	75
3	2-octyl-2H-isothiazol-3-one	26530-20-1	247-761-7	75
4	bronopol	52-51-7	200-143-0	75
5	Calcium carbonate	471-34-1	207-439-9	75
6	Distillates (petroleum), hydrotreated light naphthenic	64742-53-6	265-156-6	75

7	**Limestone**	**1317-65-3**	**215-279-6**	**75**
8	**pyrithione zinc**	**13463-41-7**	**236-671-3**	**75**
9	**reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1)**	**55965-84-9**	**-**	**75**
10	**titanium dioxide**	**13463-67-7**	**236-675-5**	**75**

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.

Directive 2010/75/EU on industrial emissions (integrated pollution prevention and control)	
VOC content	0,13 %

Directive 2004/42/CE on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products
relevant VOC limit value as referred to in Annex II of Directive 2004/42/CE , Cat. : c, type: wb = 100 g/l Max. VOC content (limit value) of the product in its ready for use condition = < 100 g/l

National regulations

Water Hazard Class (Germany)

Class 2

Source Classification according to AwSV (Regulation on facilities for handling substances that are hazardous to water).

Other regulations

GISCODE BSW50 Covering agents, water based, solvent-containing, protective film

Other national regulations

Adhere to national regulations for proper handling and use of hazardous materials. Use appropriate personal protective equipment. For example, TRGS (Technical Rules for Hazardous Substances) and the DGUV (German Social Accident Insurance) rules.

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.
The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.
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.

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.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H335	May cause respiratory irritation.
H360D	May damage the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.
H373i	May cause damage to organs through prolonged or repeated exposure if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

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.

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

B	Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid … %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.

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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