EU safety data sheet

Trade name: einzA mineralit Putzgrund Product no.: 0030562 Current version : 8.2.0. issued: 11.01.2024

Region: GB

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

1.1 **Product identifier**

Trade name

einzA mineralit Putzgrund

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

Advice on Safety Data Sheet sdb_info@umco.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 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.

This product does not meet the classification criteria given in the Regulation (EC) No 1272/2008 (CLP).

2.2 Label elements

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

Hazard pictograms

Signal word

Hazard statement(s)

-	
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), 2-methyl-2H-isothiazol-3-one. May produce an allergic reaction.
EUH210	Safety data sheet available on request.
EUH211	Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

Precautionary statement(s)

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Labelling information

The labelling (EU hazard statements) meets the criteria of annex II of Directive (EC) Nr. 1272/2008 (CLP).

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2.3 Other hazards

PBT assessment

The components of this product are not considered to be a PBT.

vPvB assessment

The components of this product are not considered to be a vPvB.

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 /	Classification (EC) 1272/2008 (CLP)	Concentration	%
	REACH no		Concontration	/0
1	Quartz (SiO2)			
-	14808-60-7	-	>= 10.00 - < 25.00	wt%
	238-878-4			
	-			
	-			
2	titanium dioxide; [i	n powder form containing 1 % or more of		
	particles with aeroo	dynamic diameter ≤ 10 μm]		
	13463-67-7	Carc. 2; H351i	< 5.00	wt%
	236-675-5			
	022-006-00-2			
	01-2119489379-17			
3	bronopol			
	52-51-7	Acute Tox. 4; H302	< 0.10	wt%
	200-143-0	Acute Tox. 4; H312		
	603-085-00-8	Eye Dam. 1; H318		
	01-2119980938-15	Skin Irrit. 2; H315		
		STOT SE 3; H335		
		Aquatic Acute 1; H400		
		Aquatic Chronic 2; H411		
4	1,2-benzisothiazol-		pls. refer to footnote (1)	101
	2634-33-5	Acute Tox. 4*; H302	< 0.05	wt%
	220-120-9	Eye Dam. 1; H318		
	613-088-00-6	Skin Irrit. 2; H315		
	-	Skin Sens. 1; H317		
		Acute Tox. 2; H330		
		Aquatic Acute 1; H400		
5	reaction many of P	Aquatic Chronic 2; H411		
Э	methyl-2H -isothiaz	i-chloro-2-methyl-4-isothiazolin-3-one and 2-		
	55965-84-9	Acute Tox. 2; H310	< 0.0015	wt%
	00900-04-9	Acute Tox. 2; H310 Acute Tox. 2; H330	< 0.0015	VVL 70
	- 613-167-00-5	Acute Tox. 2, H330 Acute Tox. 3; H301		
	013-107-00-3	Aquatic Acute 1; H400		
	-	Aquatic Chronic 1; H410		
		EUH071		
		Eye Dam. 1; H318		
		Skin Corr. 1C; H314		
		Skin Sens. 1A; H317		
6	2-methyl-2H-isothia	,		
0	2-metnyi-2n-isothia	azui-3-uile		

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2682-20-4	Acute Tox. 2; H330	/	0.10	wt%
	,		0.10	VVL 70
220-239-6	Acute Tox. 3; H301			
613-326-00-9	Acute Tox. 3; H311			
-	Aquatic Acute 1; H400			
	Aquatic Chronic 1; H410			
	EUH071			
	Eye Dam. 1; H318			
	Skin Corr. 1B; H314			
	Skin Sens. 1A; H317			

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

(*,**,***,****) Detailed explanation pls. refer to CLP regulation No. 1272/2008, annex VI, 1.2

(1) Aberrant from/in addition to the classification set out in Annex VI, this substance is classified according to European Regulation (EC) No 1272/2008 (CLP), Article 4 (3), paragraph 2.

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
2	V, W, 10	-	-	-
3	-	-	M = 10	-
4	-	Skin Sens. 1; H317: C >= 0.05%	-	-
5	В	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
6	-	Skin Sens. 1A; H317: C >= 0.0015%	M = 10	M = 1

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
2	H351i
	inhalational; -; -

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.

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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

Is not allowed to be released into the sewerage or water courses. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

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; 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.

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.

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1	Quartz (SiO2)	14808-60-7		238-878-4			
	2004/37/EC						
	Respirable crystalline silica dust						
	WEL long-term (8-hr TWA reference period)	0,1 (9)	mg/m³				
2	titanium dioxide; [in powder form containing 1 % or	13463-67-7		236-675-5			
	more of particles with aerodynamic diameter ≤ 10						
	μm]						
	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	Value			
1	titanium dioxide; [in powo	13463-67-7			
	aerodynamic diameter ≤ 1	236-675-5			
	inhalative	Long term (chronic)	local	1.25	mg/m³

DNEL value (consumer)

No	Substance name	CAS / EC	; no		
	Route of exposure	Value			
1	titanium dioxide; [in powo	13463-67-7			
	aerodynamic diameter ≤ 1	236-675-	5		
	inhalative	Long term (chronic)	local	210	µg/m³

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 workstation 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: nit	rile 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

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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 Reference temperature	<			100 50	hPa °C		
Relative vapour density No data available							
Relative density No data available							
Density Value Reference temperature Method	DIN 51	1.00	-	1.70 25	g/cm³ °C		
Solubility in water	·						
Comments	miscib	le					
Solubility No data available							
Partition coefficient n-octanol/water (log value	ie)						
No Substance name			CAS	no.		EC no.	



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	titanium dioxide; [in powder form contai more of particles with aerodynamic diam μm]		1346	63-67-7	23	36-675-5
Not a	pplicable					
Sourc	ce	ECHA				
Kiner	matic viscosity					
Value Refer	e rence temperature	2000	-	5000 25	mPa*s °C	
Metho		DIN 53019			-	
	ent separation test					
Not a	pplicable					
Partie	cle characteristics					
No da	ata available					

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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

Acu	te oral toxicity					
No	Substance name		CAS no.		EC no.	
1	titanium dioxide; [in powder form contain		13463-67-7		236-675-5	
	more of particles with aerodynamic diame	eter ≤ 10				
	μm]					
LD5	0	>		2000	mg/kg bodyweight	
Spe	cies	rat				
Meth	nod	OECD 401				
Sou	rce	ECHA				
Eval	uation/classification	Based on ava	vailable data, the classification criteria are not met.			
-						
Acu	te dermal toxicity					
No c	lata available					
Acu	te inhalational toxicity					
No	Substance name		CAS no.		EC no.	
1	titanium dioxide; [in powder form contain	ing 1 % or	13463-67-7		236-675-5	
	more of particles with aerodynamic diame					
	μm]					
LC5	0			5.09	mg/l	
					Ŭ	

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Dura	ation of exposure	4 h	
	e of aggregation	Dust	
	cies	rat	
Meth	hod	OECD 403	
Sou	Irce	ECHA	
Eval	luation/classification	Based on available data, the classification criteria are no	t met.
	n corrosion/irritation		
-	Substance name	CAS no. EC no.	
1	titanium dioxide; [in powder form more of particles with aerodynam µm]	ic diameter ≤ 10	
	cies	rabbit	
Meth		OECD 404	
Sou		ECHA	
	luation	non-irritant	•
⊧va	luation/classification	Based on available data, the classification criteria are no	t met.
	ious eye damage/irritation	040 mg 50	
	Substance name	CAS no. EC no.	
1 Sno	titanium dioxide; [in powder form more of particles with aerodynam μm] ccies		
	hod	OECD 405	
Sou		ECHA	
	luation	non-irritant	
	luation/classification	Based on available data, the classification criteria are no	t met
			e mot.
	piratory or skin sensitisation Substance name		
-		CAS no. EC no.	
1	titanium dioxide; [in powder form more of particles with aerodynam µm]	containing 1 % or 13463-67-7 236-675-5 ic diameter ≤ 10	
1 Rou	titanium dioxide; [in powder form more of particles with aerodynam µm] ite of exposure	containing 1 % or 13463-67-7 236-675-5 ic diameter ≤ 10 Skin	
1 Rou Spe	titanium dioxide; [in powder form more of particles with aerodynam µm] ite of exposure ccies	containing 1 % or 13463-67-7 236-675-5 ic diameter ≤ 10 Skin mouse Skin	
1 Rou Spe Meti	titanium dioxide; [in powder form more of particles with aerodynam µm] ite of exposure ccies hod	containing 1 % or 13463-67-7 236-675-5 ic diameter ≤ 10 Skin Skin OECD 429	
1 Rou Spe Metl Sou	titanium dioxide; [in powder form more of particles with aerodynam µm] ute of exposure ccies hod urce	containing 1 % or 13463-67-7 236-675-5 ic diameter ≤ 10 Skin Skin OECD 429 ECHA CHA	
1 Rou Spe Meth Sou Eval	titanium dioxide; [in powder form more of particles with aerodynam µm] ute of exposure ccies hod urce luation	containing 1 % or 13463-67-7 236-675-5 ic diameter ≤ 10 Skin Skin OECD 429 ECHA non-sensitizing	t met
Rou Spe Metl Sou Eval Eval	titanium dioxide; [in powder form more of particles with aerodynam µm] te of exposure ccies hod irce luation luation/classification	containing 1 % or 13463-67-7 236-675-5 ic diameter ≤ 10 Skin Skin OECD 429 ECHA CHA	t met.
1 Spe Meth Sou Eval Eval	titanium dioxide; [in powder form more of particles with aerodynam µm] te of exposure ccies hod irce luation luation/classification m cell mutagenicity	containing 1 % or 13463-67-7 236-675-5 ic diameter ≤ 10 Skin Skin OECD 429 CHA non-sensitizing Based on available data, the classification criteria are not	t met.
1 Spe Meth Sou Eval Eval Ger No	titanium dioxide; [in powder form more of particles with aerodynam µm] te of exposure ccies hod irce luation luation/classification m cell mutagenicity Substance name	containing 1 % or 13463-67-7 236-675-5 ic diameter ≤ 10 Skin Skin OECD 429 OECD 429 ECHA non-sensitizing Based on available data, the classification criteria are not CAS no.	t met.
1 Spe Metl Sou Eval Eval Ger No	titanium dioxide; [in powder form more of particles with aerodynam µm] te of exposure ccies hod irce luation luation/classification m cell mutagenicity Substance name titanium dioxide; [in powder form more of particles with aerodynam µm]	Containing 1 % or 13463-67-7 236-675-5 iic diameter ≤ 10 Skin 36-675-5 Skin mouse 0ECD 429 2000000000000000000000000000000000000	t met.
Rou Spe Metl Sou Eval Eval Gerr No	titanium dioxide; [in powder form more of particles with aerodynam µm] the of exposure ccies hod irce luation luation/classification m cell mutagenicity Substance name titanium dioxide; [in powder form more of particles with aerodynam µm] e of examination	containing 1 % or 13463-67-7 236-675-5 iic diameter ≤ 10 Skin 36-675-5 Skin mouse 0ECD 429 OECD 429 ECHA non-sensitizing Based on available data, the classification criteria are no CAS no. EC no. containing 1 % or 13463-67-7 236-675-5 iic diameter ≤ 10 In vitro mammalian cytogenicity	t met.
Rou Spe Meth Sou Eval Eval Ger No 1	titanium dioxide; [in powder form more of particles with aerodynam µm] te of exposure ccies hod irce luation luation/classification m cell mutagenicity Substance name titanium dioxide; [in powder form more of particles with aerodynam µm] e of examination hod	containing 1 % or 13463-67-7 236-675-5 ic diameter ≤ 10 Skin Skin mouse OECD 429 ECHA consensitizing Based on available data, the classification criteria are no CAS no. EC no. containing 1 % or 13463-67-7 ic diameter ≤ 10	t met.
1 Rou Spe Metl Sou Eval Eval Eval Ger No 1	titanium dioxide; [in powder form more of particles with aerodynam µm] te of exposure ccies hod irce luation luation/classification m cell mutagenicity Substance name titanium dioxide; [in powder form more of particles with aerodynam µm] e of examination hod irce	containing 1 % or 13463-67-7 236-675-5 ic diameter ≤ 10 Skin Skin mouse OECD 429 ECHA consensitizing Based on available data, the classification criteria are no CAS no. EC no. containing 1 % or 13463-67-7 cAS no. EC no. containing 1 % or 13463-67-7 ic diameter ≤ 10 In vitro mammalian cytogenicity OECD 487 ECHA	
1 Rou Spe Meth Sou Eval Eval Ger No 1 Type Meth Sou Eval	titanium dioxide; [in powder form more of particles with aerodynam µm] the of exposure ccies hod irrce luation luation/classification m cell mutagenicity Substance name titanium dioxide; [in powder form more of particles with aerodynam µm] e of examination hod irrce luation/classification	containing 1 % or 13463-67-7 236-675-5 iic diameter ≤ 10 Skin Skin Mouse OECD 429 ECHA OBSECD 429 ECHA Non-sensitizing Based on available data, the classification criteria are no CAS no. EC no. Containing 1 % or 13463-67-7 236-675-5 ic diameter ≤ 10 In vitro mammalian cytogenicity OECD 487 ECHA Based on available data, the classification criteria are no	
1 Rou Spe Metl Sou Eval Eval Ger No 1 Type Metl Sou Eval Rou	titanium dioxide; [in powder form more of particles with aerodynam µm] te of exposure ccies hod trce luation luation/classification m cell mutagenicity Substance name titanium dioxide; [in powder form more of particles with aerodynam µm] e of examination hod trce luation/classification te of exposure	containing 1 % or 13463-67-7 236-675-5 iic diameter ≤ 10 Skin Skin Mouse OECD 429 ECHA consensitizing Based on available data, the classification criteria are no Based on available data, the classification criteria are no containing 1 % or 13463-67-7 containing 1 % or 13463-67-7 containing 1 % or 13463-67-7 lin vitro mammalian cytogenicity OECD 487 ECHA Based on available data, the classification criteria are no oral Oral	t met.
1 Rou Spe Meti Sou Eval Eval Ger No 1 Type Rou Type	titanium dioxide; [in powder form more of particles with aerodynam µm] the of exposure ccies hod irrce luation luation/classification m cell mutagenicity Substance name titanium dioxide; [in powder form more of particles with aerodynam µm] e of examination hod irrce luation/classification te of exposure e of examination	containing 1 % or 13463-67-7 236-675-5 iic diameter ≤ 10 Skin	t met.
1 Rou Spe Meth Sou Eval Eval Ger No 1 Type Rou Eval Rou Type	titanium dioxide; [in powder form more of particles with aerodynam µm] the of exposure scies hod irrce luation luation/classification m cell mutagenicity Substance name titanium dioxide; [in powder form more of particles with aerodynam µm] e of examination hod irrce luation/classification te of exposure e of examination	containing 1 % or 13463-67-7 236-675-5 iic diameter ≤ 10 Skin 36-675-5 Skin mouse 0ECD 429 OECD 429 ECHA non-sensitizing Based on available data, the classification criteria are no cAS no. EC no. containing 1 % or 13463-67-7 236-675-5 ic diameter ≤ 10 In vitro mammalian cytogenicity 0ECD 487 ECHA Based on available data, the classification criteria are no oral In vivo mammalian somatic cell study: cytogenicity / erytt micronucleus rat	t met.
1 Rou Spe Mett Sou Eval Eval Ger No 1 Type Rou Eval Rou Type Spe Mett	titanium dioxide; [in powder form more of particles with aerodynam µm] the of exposure scies hod irrce luation luation/classification m cell mutagenicity Substance name titanium dioxide; [in powder form more of particles with aerodynam µm] e of examination hod irrce luation/classification te of exposure e of examination	containing 1 % or 13463-67-7 236-675-5 iic diameter ≤ 10 Skin	t met.
1 Rou Spe Metl Sou Eval Eval Ger No 1 Type Rou Eval Sou Eval Sou Eval Sou Spe Metl Sou	titanium dioxide; [in powder form more of particles with aerodynam µm] the of exposure ccies hod irce luation luation/classification m cell mutagenicity Substance name titanium dioxide; [in powder form more of particles with aerodynam µm] e of examination hod irce luation/classification the of exposure e of examination e of examination	containing 1 % or 13463-67-7 236-675-5 iic diameter ≤ 10 Skin mouse OECD 429 ECHA non-sensitizing Based on available data, the classification criteria are no CAS no. EC no. containing 1 % or 13463-67-7 236-675-5 ic diameter ≤ 10 CAS no. EC no. containing 1 % or 13463-67-7 236-675-5 ic diameter ≤ 10 In vitro mammalian cytogenicity OECD 487 ECHA Based on available data, the classification criteria are no oral In vitro mammalian cytogenicity OECD 487 ECHA Based on available data, the classification criteria are no oral In vivo mammalian somatic cell study: cytogenicity / erythmicronucleus rat OECD 474 ECHA ECHA ECHA	t met.
1 Rou Spe Val Eval Ger No 1 Type Sou Eval Rou Type Spe Mett Sou	titanium dioxide; [in powder form more of particles with aerodynam µm] te of exposure ccies hod irce luation luation/classification m cell mutagenicity Substance name titanium dioxide; [in powder form more of particles with aerodynam µm] e of examination hod irce luation/classification te of exposure e of examination ecies hod irce luation/classification	containing 1 % or 13463-67-7 236-675-5 iic diameter ≤ 10 Skin	t met.
1 Rou Spe Val Eval Ger No 1 Type Sou Eval Rou Eval Rou Eval Rou Rou Rou Rou Rou Rou Rou Rou	titanium dioxide; [in powder form more of particles with aerodynam µm] the of exposure ccies hod irce luation luation/classification m cell mutagenicity Substance name titanium dioxide; [in powder form more of particles with aerodynam µm] e of examination hod irce luation/classification the of exposure e of examination ecies hod irce luation/classification the of examination broduction toxicity	containing 1 % or 13463-67-7 236-675-5 ic diameter ≤ 10 Skin Mouse OECD 429 ECHA non-sensitizing Based on available data, the classification criteria are no CAS no. EC no. containing 1 % or or 13463-67-7 containing 1 % or In vitro mammalian cytogenicity OECD 487 ECHA Based on available data, the classification criteria are no oral In vitro mammalian somatic cell study: cytogenicity / eryth micronucleus rat OECD 474 ECHA Based on available data, the classification criteria are no	t met.
1 Rou Spe Val Eval Ger No 1 Type Sou Eval Rou Eval Rou Rou Rou Rou Rou Rou Rou Rou	titanium dioxide; [in powder form more of particles with aerodynam µm] te of exposure ccies hod irce luation luation/classification m cell mutagenicity Substance name titanium dioxide; [in powder form more of particles with aerodynam µm] e of examination hod irce luation/classification te of exposure e of examination ecies hod irce luation/classification	containing 1 % or 13463-67-7 236-675-5 ic diameter ≤ 10 Skin mouse OECD 429 ECHA non-sensitizing Based on available data, the classification criteria are no CAS no. EC no. containing 1 % or 13463-67-7 of containing 1 % or 13463-67-7 In vitro mammalian cytogenicity OECD 487 ECHA Based on available data, the classification criteria are no oral In vitro mammalian somatic cell study: cytogenicity / eryth micronucleus rat OECD 474 ECHA Based on available data, the classification criteria are no oral In vivo mammalian somatic cell study: cytogenicity / eryth micronucleus rat OECD 474 ECHA Based on available data, the classification criteria are no oral CAS no. EC no. containing 1 % or 13463-67-7	t met.



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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.
 titanium dioxide; [in powder forn more of particles with aerodynan μm] 	
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 forn more of particles with aerodynar μm]	
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.
Route of exposure	inhalational
Species	rat
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.
Aspiration hazard	
No data available	

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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)



mg/kg bw/d

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No data available					
Toxicity to fish (chronic)					
No data available					
Toxicity to Daphnia (acute)					
No data available					
Toxicity to Daphnia (chronic)					
No data available					
Toxicity to algae (acute)					
No Substance name	CAS n	10.	EC no.		
1 titanium dioxide; [in powder form containing 1 % or 13463-67-7 236-675-5					
more of particles with aerodynamic dian					
μm]	-				
EC50	>	100	mg/l		
Duration of exposure		72	h		
Species	Raphidocelis subcap	itata			
Method	OECD 201				
Source	ECHA				
Evaluation/classification	Based on the availab	le data, the classific	ation criteria are not met.		
Toxicity to algae (chronic)					
No data available					
Bacteria toxicity					
No data available					

12.2 Persistence and degradability

Biod	legradability		
No	Substance name	CAS no.	EC no.
1	titanium dioxide; [in powder form contain more of particles with aerodynamic diam µm]		236-675-5
Sou		ECHA	
Evaluation Not applicable for inorganic substances.			

12.3 Bioaccumulative potential

Part	Partition coefficient n-octanol/water (log value)					
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			
Not Sou	applicable rce ECHA					

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	
PBT assessment	The components of this product are not considered to be a PBT.
vPvB assessment	The components of this product are not considered to be a vPvB.

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.

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste code08 01 12waste paint and varnish other than those mentioned in 08 01 11The 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.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 Transport ADR/RID/ADN

The product is not subject to ADR/RID/ADN regulations.

14.2 Transport IMDG

The product is not subject to IMDG regulations.

14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

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

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 <u>EU regulations</u>

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 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	bronopol	52-51-7	200-143-0	75	
3	Distillates (petroleum), hydrotreated light naphthenic	64742-53-6	265-156-6	75	
4	glyoxal	107-22-2	203-474-9	75	
5	Limestone	1317-65-3	215-279-6	75	

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rent	version : 8.2.0, issued: 11.01.2024	Replaced	version: 8.1.0, issu	ued: 15.11.2023	Regio
6	reaction mass of: 5-chloro-2-methyl-4-iso one and 2-methyl-2H -isothiazol-3-one (3:		55965-84-9	-	75
7	titanium dioxide; [in powder form contain more of particles with aerodynamic diame µm]	ing 1 % or	13463-67-7	236-675-5	75
	ective 2012/18/EU on the control of major-a s product is not subject to Part 1 or 2 of Annex		ards involving da	angerous substance	S

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

Other national regulations

Adhere to national regulations for proper handling and use of hazardous materials. Use appropriate personal protective equipment.

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.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H335	May cause respiratory irritation.
H351i	Suspected of causing cancer by inhalation.
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.

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

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.

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V	If the substance is to be placed on the market as fibres (with diameter < 3 μ m, length > 5 μ m 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.

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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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