Trade name: einzA XL Wandfarbe Product no.: 0021037 Current version : 6.0.0, issued: 23.08.2021

Region: GB

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

#### 1.1 Product identifier

Trade name

# einzA XL Wandfarbe

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

Relevant identified uses of the substance or mixture decorative paints/finishes

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)  $n^{\circ}$  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)

-

**einza** 

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#### Labelling information

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

#### 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

	Hazardous ingredients				
No	Substance name		Additional information		
	CAS / EC / Index /	Classification (EC) 1272/2008 (CLP)	Concentration	%	
	REACH no				
1	titanium dioxide; [	in powder form containing 1 % or more of			
	particles with aero	dynamic diameter ≤ 10 μm]			
	13463-67-7	Carc. 2; H351i	>= 5.00 - < 10.0	) wt%	
	236-675-5				
	-				
	01-2119489379-17				
2	1,2-benzisothiazol-	-3(2H)-one	pls. refer to footnote (1)		
	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			
		Aquatic Chronic 2; H411			
3		5-chloro-2-methyl-4-isothiazolin-3-one and 2-			
	methyl-2H -isothiazol-3-one (3:1)				
	55965-84-9	Acute Tox. 2; H310	< 0.0015	wt%	
	-	Acute Tox. 2; H330			
	613-167-00-5	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			
4	2-methyl-2H-isothi				
	2682-20-4	Acute Tox. 2; H330	< 0.10	wt%	
	220-239-6	Acute Tox. 3; H301			
	613-326-00-9	Acute Tox. 3; H311			
	-	Aquatic Acute 1; H400			
1		Aquatic Chronic 1; H410			
		EUH071			
		Eye Dam. 1; H318			
		Skin Corr. 1B; H314			
1		Skin Sens. 1A; H317		1	

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	M-factor
			(acute)	(chronic)

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2	-	Skin Sens. 1; H317: C >= 0.05%	-	-
3	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%	M = 100	M = 100
		Eye Dam. 1; H318: C >= 0.6%		
4	-	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
1	H351i

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.

**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

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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

Substance name	CAS no.	EC no.
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
	titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] List of approved workplace exposure limits (WELs) / Titanium dioxide total inhalable dust WEL long-term (8-hr TWA reference period) List of approved workplace exposure limits (WELs) / Titanium dioxide respirable dust	titanium dioxide; [in powder form containing 1 % or 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 List of approved workplace exposure limits (WELs) / EH40 Titanium dioxide respirable dust

#### **DNEL, DMEL and PNEC values**

**DNEL values (worker)** 



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 No
 Substance name
 CAS / EC

 Route of exposure
 Exposure time
 Effect
 Value

NO				CAS/EC no		
	Route of exposure	Exposure time	Effect	Value		
1	titanium dioxide; [in powder form containing 1 % or more of particles with				13463-67-7	
	aerodynamic diameter ≤ 10 μm]			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	titanium dioxide; [in powder form containing 1 % or more of particles with			13463-67-7		
	aerodynamic diameter ≤ 10 μm]			236-675-5		
	oral	Long term (chronic)	systemic	700	mg/kg/day	

#### PNEC values

No	Substance name		CAS / EC no	
	ecological compartment	Туре	Value	
1	titanium dioxide; [in powder form con	taining 1 % or more of particles with	13463-67-7	
	aerodynamic diameter ≤ 10 μm]		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

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 of	ontact / spla	ash protection: nitrile rubber
Material thickness	>	0.4	mm
Breakthrough time	>	120	min
Appropriate Material	In case of prolonged e	xposure: niti	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**

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## 9.1 Information on basic physical and chemical properties

State of aggregation liquid					
Form/Colour					
liquid according to product name					
Odour					
characteristic					
pH value					
Value		7.0	-	9.0	
Boiling point / boiling range Value				100	٥°
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	<			100	hPa
Reference temperature				50	°C
Relative vapour density No data available					
Relative density No data available					
Density					
Value Reference temperature		1.30	-	1.70 25	g/cm³ °C
Method	DIN 5	1757		20	
Solubility in water	luncia a l'				
Comments	miscik				
Solubility No data available					
Partition coefficient n-octanol/water (log valu No data available	le)				
Viscosity					
Value		5000	-	15000	mPa*s



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Reference temperature		25	°C	
Method	DIN 53019			
Solvent separation test				
Not applicable				
Particle characteristics				
No data available				
2 Other information				

# 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	titanium dioxide; [in powder form conta		13463-67-7		236-675-5
	more of particles with aerodynamic diar	meter ≤ 10			
	μm]	T			
LD5		>		2000	mg/kg bodyweight
Spe		rat			
Meth		OECD 401			
Sou		ECHA			
Eval	uation/classification	Based on ava	ailable data, the	classification	n criteria are not met.
Acu	te dermal toxicity				
	lata available				
INO C					
Acu	te inhalational toxicity				
No	Substance name		CAS no.		EC no.
1	titanium dioxide; [in powder form conta	ining 1 % or	13463-67-7		236-675-5
	more of particles with aerodynamic diar	meter ≤ 10			
	µm]				
LC5	0	>		6.82	mg/l
Duration of exposure				4	h
State of aggregation		Dust			
Species		rat			
Source		ECHA			
Eval	Evaluation/classification Based or		ailable data, the	classification	n criteria are not met.
	corrosion/irritation				
No	Substance name		CAS no.		EC no.

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•	titanium dioxide; [in powder		13463-67-7	236-675-5
	more of particles with aerody	/namic diameter ≤ 10		
	μm]	na h h it		
Spec		rabbit		
Meth		OECD 404 ECHA		
Sour				
	uation	non-irritant		· · · · · · · · · · · · · · · · · · ·
Evail	uation/classification	Based on av	allable data, the class	sification criteria are not met.
	ous eye damage/irritation			
	Substance name		CAS no.	EC no.
	titanium dioxide; [in powder more of particles with aerody μm]		13463-67-7	236-675-5
Spec		rabbit		
Meth		OECD 405		
Sour		ECHA		
	uation	non-irritant		
	uation/classification		ailable data the class	sification criteria are not met.
		Based on av		
	piratory or skin sensitisation		040 ==	F0
-	Substance name		CAS no.	EC no.
1	titanium dioxide; [in powder more of particles with aerody μm]		13463-67-7	236-675-5
Rout	te of exposure	Skin		
Spec	•	mouse		
Meth		OECD 429		
Sour		ECHA		
	uation	non-sensitizi	ina	
_ • • • •				
Evalu	uation/classification	Based on av		sification criteria are not met.
		Based on av		sification criteria are not met.
Gern	uation/classification m cell mutagenicity Substance name	Based on av	vailable data, the class	
Gern No	n cell mutagenicity Substance name			sification criteria are not met. EC no. 236-675-5
Gern No 1	m cell mutagenicity Substance name titanium dioxide; [in powder more of particles with aerody μm]	form containing 1 % or ⁄namic diameter ≤ 10	CAS no. 13463-67-7	EC no.
Gern No 1	m cell mutagenicity Substance name titanium dioxide; [in powder more of particles with aerody	form containing 1 % or ⁄namic diameter ≤ 10	CAS no.	EC no.
Gern No 1	m cell mutagenicity Substance name titanium dioxide; [in powder more of particles with aerody μm] of examination	form containing 1 % or ⁄namic diameter ≤ 10	CAS no. 13463-67-7	EC no.
Gern No 1 Type	m cell mutagenicity Substance name titanium dioxide; [in powder more of particles with aerody μm] e of examination nod	form containing 1 % or ∕namic diameter ≤ 10 In vitro mam	CAS no. 13463-67-7	EC no.
Gern No 1 Type Meth Sour	m cell mutagenicity Substance name titanium dioxide; [in powder more of particles with aerody μm] e of examination nod	form containing 1 % or namic diameter ≤ 10 In vitro mam OECD 487 ECHA	CAS no. 13463-67-7	EC no.
Gern No 1 Type Meth Sour Evalu	m cell mutagenicity Substance name titanium dioxide; [in powder more of particles with aerody μm] e of examination nod rce	form containing 1 % or namic diameter ≤ 10 In vitro mam OECD 487 ECHA	CAS no. 13463-67-7	EC no. 236-675-5
Gern No 1 Type Meth Sour Evalu <b>Repr</b> No	m cell mutagenicity Substance name titanium dioxide; [in powder more of particles with aerody μm] e of examination nod ce uation/classification roduction toxicity Substance name	form containing 1 % or /namic diameter ≤ 10 In vitro mam OECD 487 ECHA Based on av	CAS no. 13463-67-7	EC no. 236-675-5 sification criteria are not met. EC no.
Gern No 1 Type Meth Sour Evalu <b>Repr</b> No	m cell mutagenicity Substance name titanium dioxide; [in powder more of particles with aerody µm] e of examination nod ce uation/classification roduction toxicity Substance name titanium dioxide; [in powder more of particles with aerody	form containing 1 % or /namic diameter ≤ 10 In vitro mam OECD 487 ECHA Based on av	CAS no. 13463-67-7 malian cytogenicity railable data, the class	EC no. 236-675-5 sification criteria are not met.
Gern No 1 Type Meth Sour Evalu Repr No 1	m cell mutagenicity Substance name titanium dioxide; [in powder more of particles with aerody µm] e of examination nod rce uation/classification roduction toxicity Substance name titanium dioxide; [in powder more of particles with aerody µm]	form containing 1 % or namic diameter ≤ 10 In vitro mam OECD 487 ECHA Based on av form containing 1 % or namic diameter ≤ 10	CAS no. 13463-67-7 malian cytogenicity railable data, the class	EC no. 236-675-5 sification criteria are not met. EC no.
Gerr No 1 Type Meth Sour Evalu Repr No 1 Rout	m cell mutagenicity Substance name titanium dioxide; [in powder more of particles with aerody µm] e of examination nod rce uation/classification roduction toxicity Substance name titanium dioxide; [in powder more of particles with aerody µm] te of exposure	form containing 1 % or namic diameter ≤ 10 In vitro mam OECD 487 ECHA Based on av form containing 1 % or namic diameter ≤ 10 oral	CAS no. 13463-67-7 malian cytogenicity railable data, the class CAS no. 13463-67-7	EC no. 236-675-5 sification criteria are not met. EC no. 236-675-5
Gerr No 1 Type Meth Sour Evalu Repr No 1 Rout NOA	m cell mutagenicity Substance name titanium dioxide; [in powder more of particles with aerody µm] e of examination nod rce uation/classification roduction toxicity Substance name titanium dioxide; [in powder more of particles with aerody µm] te of exposure KEL	form containing 1 % or /namic diameter ≤ 10 In vitro mam OECD 487 ECHA Based on av form containing 1 % or /namic diameter ≤ 10 oral >=	CAS no. 13463-67-7 malian cytogenicity railable data, the class CAS no. 13463-67-7	EC no. 236-675-5 sification criteria are not met. EC no. 236-675-5 0 mg/kg bw/d
Gerr No 1 Typee Meth Sour Evalu Repr No 1 Rout NOA Type	m cell mutagenicity Substance name titanium dioxide; [in powder more of particles with aerody µm] e of examination nod rce uation/classification roduction toxicity Substance name titanium dioxide; [in powder more of particles with aerody µm] te of exposure KEL e of examination	form containing 1 % or namic diameter ≤ 10 In vitro mam OECD 487 ECHA Based on av form containing 1 % or namic diameter ≤ 10 oral >= Reproductive	CAS no. 13463-67-7 malian cytogenicity railable data, the class CAS no. 13463-67-7	EC no. 236-675-5 sification criteria are not met. EC no. 236-675-5 0 mg/kg bw/d
Gerr No 1 Typee Meth Sour Evalu Repr No 1 Rout NOA Type Spec	m cell mutagenicity Substance name titanium dioxide; [in powder more of particles with aerody µm] e of examination nod rce uation/classification roduction toxicity Substance name titanium dioxide; [in powder more of particles with aerody µm] te of exposure KEL e of examination cies	form containing 1 % or namic diameter ≤ 10 In vitro mam OECD 487 ECHA Based on av form containing 1 % or namic diameter ≤ 10 oral >= Reproductive rat	CAS no. 13463-67-7 malian cytogenicity railable data, the class CAS no. 13463-67-7	EC no. 236-675-5 sification criteria are not met. EC no. 236-675-5 0 mg/kg bw/d
Gerr No 1 Typee Meth Sour Evalu Repr No 1 Rout NOA Type Spec Meth	m cell mutagenicity Substance name titanium dioxide; [in powder more of particles with aerody µm] e of examination nod rce uation/classification roduction toxicity Substance name titanium dioxide; [in powder more of particles with aerody µm] te of exposure KEL e of examination cies nod	form containing 1 % or /namic diameter ≤ 10 In vitro mam OECD 487 ECHA Based on av form containing 1 % or /namic diameter ≤ 10 oral >= Reproductive rat OECD 443	CAS no. 13463-67-7 malian cytogenicity railable data, the class CAS no. 13463-67-7	EC no. 236-675-5 sification criteria are not met. EC no. 236-675-5 0 mg/kg bw/d
Gerr No 1 Typee Meth Sour Evalu Repr No 1 Rout NOA Type Spec Meth Sour	m cell mutagenicity Substance name titanium dioxide; [in powder more of particles with aerody µm] e of examination nod rce uation/classification roduction toxicity Substance name titanium dioxide; [in powder more of particles with aerody µm] te of exposure KEL e of examination cies nod rce	form containing 1 % or /namic diameter ≤ 10 In vitro mam OECD 487 ECHA Based on av form containing 1 % or /namic diameter ≤ 10 oral >= Reproductive rat OECD 443 ECHA	CAS no. 13463-67-7 malian cytogenicity railable data, the class CAS no. 13463-67-7 100 e studies - one genera	EC no. 236-675-5 sification criteria are not met. EC no. 236-675-5 0 mg/kg bw/d ation
Gerr No 1 Type Meth Sour Evalu Repr No 1 NOA Type Spec Meth Sour Evalu	m cell mutagenicity Substance name titanium dioxide; [in powder more of particles with aerody µm] e of examination nod rce uation/classification roduction toxicity Substance name titanium dioxide; [in powder more of particles with aerody µm] te of exposure KEL e of examination cies nod rce uation/classification	form containing 1 % or /namic diameter ≤ 10 In vitro mam OECD 487 ECHA Based on av form containing 1 % or /namic diameter ≤ 10 oral >= Reproductive rat OECD 443 ECHA Based on av	CAS no. 13463-67-7 malian cytogenicity railable data, the class CAS no. 13463-67-7 100 e studies - one genera	EC no. 236-675-5 sification criteria are not met. EC no. 236-675-5 0 mg/kg bw/d
Gerr No 1 Type Meth Sour Evalu Repr No 1 NOA Type Spec Meth Sour Evalu Rout	m cell mutagenicity Substance name titanium dioxide; [in powder more of particles with aerody µm] e of examination nod rce uation/classification roduction toxicity Substance name titanium dioxide; [in powder more of particles with aerody µm] te of exposure KEL e of examination cies nod rce uation/classification te of exposure	form containing 1 % or /namic diameter ≤ 10 In vitro mam OECD 487 ECHA Based on av form containing 1 % or /namic diameter ≤ 10 oral >= Reproductive rat OECD 443 ECHA	CAS no. 13463-67-7 malian cytogenicity railable data, the class CAS no. 13463-67-7 100 e studies - one genera railable data, the class	EC no. 236-675-5 sification criteria are not met. EC no. 236-675-5 0 mg/kg bw/d ation
Gerr No 1 Typee Meth Sour Evalu Repr No 1 NOA Type Spec Meth Sour Evalu Rout	m cell mutagenicity Substance name titanium dioxide; [in powder more of particles with aerody µm] e of examination nod rce uation/classification roduction toxicity Substance name titanium dioxide; [in powder more of particles with aerody µm] te of exposure KEL e of examination cies nod rce uation/classification te of exposure KEL e of exposure KEL e of exposure KEL	form containing 1 % or namic diameter ≤ 10 In vitro mam OECD 487 ECHA Based on av form containing 1 % or namic diameter ≤ 10 oral >= Reproductive rat OECD 443 ECHA Based on av oral	CAS no. 13463-67-7 malian cytogenicity railable data, the class CAS no. 13463-67-7 100 e studies - one genera railable data, the class 100	EC no. 236-675-5 sification criteria are not met. EC no. 236-675-5 0 mg/kg bw/d ation
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Gerr No 1 Typee Meth Sour Evalu Repr No 1 NOA Type Spec Meth Sour Evalu Rout	m cell mutagenicity Substance name titanium dioxide; [in powder more of particles with aerody µm] a of examination hod rce uation/classification roduction toxicity Substance name titanium dioxide; [in powder more of particles with aerody µm] te of exposure KEL a of examination cies hod rce uation/classification te of exposure KEL a of examination cies hod rce uation/classification te of exposure KEL a of examination te of exposure KEL a of examination te of exposure KEL a of examination te of exposure KEL a of examination te of examination te of examination te of examination te of examination te of examination te of examination	form containing 1 % or namic diameter ≤ 10 In vitro mam OECD 487 ECHA Based on av form containing 1 % or namic diameter ≤ 10 oral >= Reproductive rat OECD 443 ECHA Based on av oral Prenatal Dev rat OECD 414	CAS no. 13463-67-7 malian cytogenicity railable data, the class CAS no. 13463-67-7 100 e studies - one genera railable data, the class 100	EC no. 236-675-5 sification criteria are not met. EC no. 236-675-5 0 mg/kg bw/d ation
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No	Substance name		CAS no.	EC no.
1	titanium dioxide; [in powder form cont more of particles with aerodynamic dia µm]	ameter ≤ 10	13463-67-7	236-675-5
	te of exposure	oral	750	
NO			7500	) mg/kg bw/d
	cies	mouse		
Sou		ECHA		
	luation/classification	based on av	aliable data, the class	ification criteria are not met.
	<b>)T - single exposure</b> data available			
STO	DT - repeated exposure			
	Substance name		CAS no.	EC no.
1	titanium dioxide; [in powder form cont more of particles with aerodynamic dia μm]		13463-67-7	236-675-5
Rou	te of exposure	oral		
NO/	AEL	>	962	mg/kg bw/d
Spe	cies	rat		
Met		OECD 408		
Sou		ECHA		
Eva	luation/classification	Deced on ov		
		based on av	allable data, the class	ification criteria are not met.
Asp	iration hazard	Based on av	allable data, the class	ification criteria are not met.
		Based on av	allable data, the class	ification criteria are not met.
No	iration hazard			
No o Dela The	<b>iration hazard</b> data available <b>ayed and immediate effects as well as cl</b> liquid splashed in the eyes may cause irrita	nronic effects	<b>from short and long</b> sible damage. This tal	-term exposure (tes into account, where knowr
No o Dela The dela	iration hazard data available ayed and immediate effects as well as cl	nronic effects ation and revers c effects of con	<b>from short and long</b> sible damage. This tal	-term exposure kes into account, where knowr
No o Dela The dela oral	<b>iration hazard</b> data available <b>ayed and immediate effects as well as cl</b> liquid splashed in the eyes may cause irrita byed and immediate effects and also chronic	nronic effects ation and revers c effects of con	<b>from short and long</b> sible damage. This tal	-term exposure kes into account, where knowr
No o Dela The dela oral	<b>iration hazard</b> data available <b>ayed and immediate effects as well as cl</b> liquid splashed in the eyes may cause irrita yed and immediate effects and also chronic , inhalation and dermal routes of exposure	nronic effects ation and revers c effects of con	<b>from short and long</b> sible damage. This tal	-term exposure (tes into account, where knowr
No o Dela The dela oral	iration hazard data available ayed and immediate effects as well as cl liquid splashed in the eyes may cause irrita yed and immediate effects and also chronic , inhalation and dermal routes of exposure Information on other hazards Endocrine disrupting properties	nronic effects ation and revers c effects of con	<b>from short and long</b> sible damage. This tal	-term exposure (tes into account, where knowr
No o Dela The dela oral 2	iration hazard data available ayed and immediate effects as well as cl liquid splashed in the eyes may cause irrita ayed and immediate effects and also chronic , inhalation and dermal routes of exposure Information on other hazards Endocrine disrupting properties No data available. Other information	nronic effects ation and revers c effects of con	<b>from short and long</b> sible damage. This tal	-term exposure (tes into account, where knowr
No dela The dela oral 2	iration hazard data available ayed and immediate effects as well as cl liquid splashed in the eyes may cause irrita ayed and immediate effects and also chronic , inhalation and dermal routes of exposure information on other hazards Endocrine disrupting properties No data available. Other information No data available.	nronic effects ation and revers c effects of con	<b>from short and long</b> sible damage. This tal	-term exposure (tes into account, where knowr
No dela The dela oral 2	iration hazard data available ayed and immediate effects as well as cl liquid splashed in the eyes may cause irrita ayed and immediate effects and also chronic , inhalation and dermal routes of exposure information on other hazards Endocrine disrupting properties No data available. Other information No data available. ION 12: Ecological information	nronic effects ation and revers c effects of con	<b>from short and long</b> sible damage. This tal	-term exposure (tes into account, where knowr
No dela The dela oral 2	iration hazard data available ayed and immediate effects as well as cl liquid splashed in the eyes may cause irrita by ed and immediate effects and also chronic , inhalation and dermal routes of exposure Information on other hazards Endocrine disrupting properties No data available. Other information No data available. ION 12: Ecological information Toxicity	nronic effects ation and revers c effects of con	<b>from short and long</b> sible damage. This tal	-term exposure (tes into account, where knowr
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No o Deli The dela oral 2 2 1 Tox No o Tox	iration hazard data available ayed and immediate effects as well as cl liquid splashed in the eyes may cause irrita ayed and immediate effects and also chronic yed and immediate effects and also chronic inhalation and dermal routes of exposure information on other hazards Endocrine disrupting properties No data available. Other information No data available. ION 12: Ecological information Toxicity icity to fish (acute) data available icity to fish (chronic)	nronic effects ation and revers c effects of con	<b>from short and long</b> sible damage. This tal	-term exposure kes into account, where knowr

Toxicity to Daphnia (chronic) No data available

Toxicity to algae (acute)					
No	Substance name		CAS no.	EC no.	
1	titanium dioxide; [in powder form containing 1 % or 13463-67-7 236-675-5				
	more of particles with aerodynamic diameter ≤ 10				
	μm]				
EC5	0	>	100	mg/l	
Dura	ation of exposure		72	h	
Species Ps		Pseudokirchne	eriella subcapitata		
Meth	Method OECD 201				



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Replaced version: 5.1.0, issued: 01.07.2021

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Sou	rce	ECHA				
	Toxicity to algae (chronic) No data available					
Bac	teria toxicity					
No	Substance name		CAS no.		EC no.	
1	titanium dioxide; [in powder form conta	ining 1 % or	13463-67-7		236-675-5	
	more of particles with aerodynamic diameter ≤ 10					
	μm]					
EC5	0	>		1000		
Dura	ation of exposure			3	h	
Species		activated slue	dge			
Method		OECD 209				
Sou	rce	ECHA				

# 12.2 Persistence and degradability

No data available.

#### **12.3 Bioaccumulative potential** No data available.

# 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.

# 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<br/>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<br/>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.

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# 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 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

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.

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. : a, type: lb = 30 g/l Max. VOC content (limit value) of the product in its ready for use condition = < 30 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.

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H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H311	Toxic 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.
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 solution

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 UMCO GmbH

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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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