Trade name: einzA Classicmatt 2000, weiß Product no.: 0078209 Current version : 3.0.1. issued: 03.07.2023

Region: GB

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

Replaced version: 3.0.0, issued: 26.10.2022

1.1 **Product identifier**

Trade name

einzA Classicmatt 2000, weiß

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 in accordance with Regulation (EC) No 1272/2008 (CLP)

Flam. Liq. 3; H226

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



Warning Hazard statement(s) H226 FI

Flammable liquid and vapour.

Hazard statements (EU) EUH211

Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

Precautionary statement(s)



Product Current v

uct no.: 0078209		
t version : 3.0.1, issued: 03.07.2023	Replaced version: 3.0.0, issued: 26.10.2022	Region: GB

P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P370+P378	In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.
P501	Dispose of contents/container to a facility in accordance with local and national regulations.

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		Addit	ional informatio	n	
	CAS / EC / Index /	Classification (EC) 1272/2008 (CLP)	Concentration		%	
	REACH no					
1		n powder form containing 1 % or more of				
	particles with aeroo	articles with aerodynamic diameter ≤ 10 μm]				
	13463-67-7	Carc. 2; H351i	>=	10.00 - <	25.00	wt%
	236-675-5					
	022-006-00-2					
	01-2119489379-17					
2	2,2,4,6,6-pentameth	lylheptane				
	13475-82-6	Flam. Liq. 3; H226	>=	10.00 - <	25.00	wt%
	236-757-0	Asp. Tox. 1; H304				
	-	Aquatic Chronic 4; H413				
	01-2119490725-29	EUH066				
3	Hydrocarbons, C11	-C12, isoalkanes, < 2% aromatics				
	-	Asp. Tox. 1; H304	>=	5.00 - <	10.00	wt%
	918-167-1	EUH066				
	-	Flam. Liq. 3; H226				
	01-2119472146-39					

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

٢	10	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
	1	V, W, 10	-	-	-

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

No Route, target organ, concrete effect

H351i

1

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

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Region: GB

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

Alcohol resistant foam, CO2, powders, water spray

Unsuitable extinguishing media

water jet.

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon monoxide (CO); Carbon dioxide (CO2); Toxic pyrolysis products; Exposure to decomposition products may cause a health hazard.

5.3 Advice for firefighters

Cool closed containers exposed to fire with water. Do not allow run-off from fire fighting to enter drains or water courses. Appropriate breathing apparatus may be required.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Exclude sources of ignition and ventilate the area. 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

Trade name: einzA Classicmatt 2000, weiß

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Current version : 3.0.1, issued: 03.07.2023

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Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Operators should wear anti-static footwear and clothing and floors should be of the conducting type. Avoid the inhalation of dust, particulates and spray mist arising from the application of this mixture. Dry sanding, flame cutting and/or welding of the dry paint film may give rise to dust and/or hazardous fumes. Wet [sanding]/[flatting] should be used wherever possible. 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

Isolate from sources of heat, sparks and open flame. No sparking tools should be used. Electrical equipment should be protected to the appropriate standard. Mixture may charge electrostatically: always use earthing leads when transferring from one container to another. Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Comply with legal health and safety regulations; Prevent unauthorised access. Keep container tightly closed and dry in a cool, well-ventilated place. Protect from heat and direct sunlight. Keep away from sources of ignition. No smoking.

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.
1	titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm]	13463-67-7		236-675-5
	List of approved workplace exposure limits (WELs) / I	EH40		
	Titanium dioxide			
	total inhalable dust			
	WEL long-term (8-hr TWA reference period)	10	mg/m³	
	List of approved workplace exposure limits (WELs) / I	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 powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm]			13463-67-7 236-675-5		
	inhalative	Long term (chronic)	local	1.25	mg/m³	
_	DNEL value (consumer)					
No	Substance name			CAS / EC no		
	Route of exposure	Exposure time	Effect	Value		

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1	titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm]			13463-67-7 236-675-5	
	inhalative	Long term (chronic)	local	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. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Personal protective equipment

Respiratory protection

If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. In case of brush application: Filter A2. 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		ort-term contact / sp	lash 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

Personnel should wear anti-static clothing made of natural fibre or of high temperature resistant synthetic fibre.

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			
like solvents			
pH value			
No data available			
Boiling point / boiling range			
Value	>	120	°C
Reference substance	solvent mixture		
Melting point/freezing point			
No data available			

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o data available	
Other information	

Replaced version: 3.0.0, issued: 26.10.2022



Region: GB

Product no.: 0078209

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Replaced version: 3.0.0, issued: 26.10.2022

Region: GB

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 contai	ning 1 % or	13463-67-7		236-675-5
	more of particles with aerodynamic diam	neter ≤ 10			
	μm]				
LD5	0	>		2000	mg/kg bodyweight
Spe	cies	rat			
Meth	nod	OECD 401			
Sou	rce	ECHA			
Eval	uation/classification	Based on ava	ailable data, the	classificatior	n criteria are not met.
2	2,2,4,6,6-pentamethylheptane		13475-82-6		236-757-0
LD5	0	>		5000	mg/kg bodyweight
Spe	cies	rat			
Meth	nod	OECD 401			
Sou	rce	ECHA			
3	Hydrocarbons, C11-C12, isoalkanes, < 2°	% aromatics	-		918-167-1
LD5	0	>		5000	mg/kg bodyweight
Spe	cies	rat			
Meth	nod	OECD 401			
Sou	rce	ECHA			
A	to dormal toxicity				
-	te dermal toxicity				
No	Substance name		CAS no.		EC no.
1	2,2,4,6,6-pentamethylheptane	1	13475-82-6		236-757-0
	0	2200		2500	ma/ka bodyweight

EB66	2200		2000	ing/itg bodyworght
Species	rabbit			
Source	ECHA			
2 Hydrocarbons, C11-C12, isoalkanes, < 2%	aromatics	-		918-167-1
LD50	>		2000	mg/kg bodyweight
Species	rat			
Method	OECD 402			
Source	ECHA			
Acute inhalational toxicity				
No Substance name		CAS no.		EC no.

Trade name: einzA Classicmatt 2000, weiß

Product no.: 0078209

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1	titanium dioxide; [in powder form contai more of particles with aerodynamic dian		13463-67-7	236-675-5
1.05	[µm]			5.00 "
LC5				5.09 mg/l
	ition of exposure	Duct		4 h
Spec	e of aggregation	Dust rat		
Meth		OECD 403		
Sour		ECHA		
	uation/classification	-	ailable data, the o	classification criteria are not met.
2	2,2,4,6,6-pentamethylheptane	120000 00000	13475-82-6	236-757-0
LC5		>		5.6 mg/l
	e of aggregation	Dust/mist		ing.
Spec		rat		
Meth		OECD 403		
Sour	ce	ECHA		
01				
-	corrosion/irritation		040	50
No	Substance name		CAS no.	EC no.
1	titanium dioxide; [in powder form contai		13463-67-7	236-675-5
	more of particles with aerodynamic dian	heter ≤ 10		
Speo	[µm]	rabbit		
Meth		OECD 404		
Sour		ECHA		
	uation	non-irritant		
	uation/classification		ailahla data tha (classification criteria are not met.
	2,2,4,6,6-pentamethylheptane	Dused on av	13475-82-6	236-757-0
Spec		rabbit	13473-02-0	230-131-0
Meth		OECD 404		
Sour		ECHA		
	uation	non-irritant		
3	Hydrocarbons, C11-C12, isoalkanes, < 2		-	918-167-1
Spec		rabbit		
Meth		OECD 404		
Sour		ECHA		
Eval	uation	non-irritant		
		•		
	ous eye damage/irritation			
No			CAS no.	EC no.
1	titanium dioxide; [in powder form contai		13463-67-7	236-675-5
	more of particles with aerodynamic dian	heter ≤ 10		
Spar	[µm]	rabbit		
Spec Meth		OECD 405		
Sour		ECHA		
	uation	non-irritant		
	uation/classification		ailahle data the d	classification criteria are not met.
2	2,2,4,6,6-pentamethylheptane	- Bused on ave	13475-82-6	236-757-0
Spec		rabbit	10410-02-0	200-701-0
Meth		OECD 405		
Sour		ECHA		
	uation	non-irritant		
3	Hydrocarbons, C11-C12, isoalkanes, < 2		-	918-167-1
Spec		rabbit		
Meth		OECD 405		
Sour		ECHA		
	uation	non-irritant		
	piratory or skin sensitisation			
No	Substance name		CAS no.	EC no.

Replaced version: 3.0.0, issued: 26.10.2022



Region: GB

Trade name: einzA Classicmatt 2000, weiß

Product no.: 0078209

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1 titanium dioxide; [in powder form of more of particles with aerodynamic um]	
Route of exposure	Skin
Species	mouse
Vethod	OECD 429
Source	ECHA
Evaluation	non-sensitizing
Evaluation/classification	Based on available data, the classification criteria are not met.
2 2,2,4,6,6-pentamethylheptane	13475-82-6 236-757-0
Route of exposure	Skin
Species	guinea pig
Viethod	ÖECD 406
Source	ECHA
Evaluation	non-sensitizing
3 Hydrocarbons, C11-C12, isoalkanes	
Route of exposure	Skin
Species	guinea pig
Vethod	OECD 406
Source	ECHA
Evaluation	non-sensitizing
Germ cell mutagenicity	
No Substance name	CAS no. EC no.
I titanium dioxide; [in powder form o	
more of particles with aerodynamic µm]	
Type of examination	In vitro mammalian cytogenicity
/lethod	OECD 487
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.
Route of exposure	oral
Type of examination	In vivo mammalian somatic cell study: cytogenicity / erythrocyte micronucleus
Species	rat
Method	OECD 474
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.
2 2,2,4,6,6-pentamethylheptane	13475-82-6 236-757-0
Vethod	OECD 478
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.
B Hydrocarbons, C11-C12, isoalkanes	,
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.
Reproduction toxicity	
No Substance name	CAS no. EC no.
I titanium dioxide; [in powder form of more of particles with aerodynamic µm]	
Route of exposure	oral
NOAEL	>= 1000 mg/kg bw/d
Type of examination	Reproductive studies - one generation
Species	rat
Vethod	OECD 443
	ECHA
Source	Based on available data, the classification criteria are not mot
Source Evaluation/classification	Based on available data, the classification criteria are not met.
Source Evaluation/classification Route of exposure	oral
Source Evaluation/classification Route of exposure NOAEL	oral 1000 mg/kg bw/d
Source Evaluation/classification Route of exposure NOAEL Type of examination	oral 1000 mg/kg bw/d Prenatal Developmental Toxicity Study
Source Evaluation/classification Route of exposure NOAEL Type of examination Species Method	oral 1000 mg/kg bw/d

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zvan	uation/classification	Based on av		
	Hydrocarbons, C11-C12, isoalkan	es. < 2% aromatics	-	918-167-1
Sour		ECHA		
	uation/classification		ailable data, the cla	ssification criteria are not m
	inogenicity			
-	Substance name		CAS no.	EC no.
	titanium dioxide; [in powder form more of particles with aerodynam µm]		13463-67-7	236-675-5
	e of exposure	oral		
NOE	—		75	500 mg/kg bv
Spec		mouse		
Sour		ECHA		1 1 11 11 11
	uation/classification			ssification criteria are not m
	Hydrocarbons, C11-C12, isoalkan		-	918-167-1
Sour		ECHA		
Evalu	uation/classification	Based on av	aliable data, the clas	ssification criteria are not m
STO	T - single exposure			
	ata available			
	T - repeated exposure		040	50
No	Substance name	containing 1 % or	CAS no. 13463-67-7	EC no. 236-675-5
No 1	Substance name titanium dioxide; [in powder form more of particles with aerodynam µm]	ic diameter ≤ 10		EC no. 236-675-5
No 1 Route	Substance name titanium dioxide; [in powder form more of particles with aerodynam µm] e of exposure	iic diameter ≤ 10 oral	13463-67-7	236-675-5
No 1 Route NOA	Substance name titanium dioxide; [in powder form more of particles with aerodynam µm] e of exposure EL	ic diameter ≤ 10 oral >		236-675-5
No 1 Route NOA Spec	Substance name titanium dioxide; [in powder form more of particles with aerodynam µm] e of exposure EL ies	ic diameter ≤ 10 oral > rat	13463-67-7	236-675-5
No 1 Route NOA Spec Meth	Substance name titanium dioxide; [in powder form more of particles with aerodynam µm] e of exposure EL ies od	ic diameter ≤ 10 oral > rat OECD 408	13463-67-7	236-675-5
No 1 Route NOA Spec Meth Soure	Substance name titanium dioxide; [in powder form more of particles with aerodynam µm] e of exposure EL ies od ce	ic diameter ≤ 10 oral > rat OECD 408 ECHA	13463-67-7 96	236-675-5 32 mg/kg bv
No 1 Route NOA Spec Meth Soure Evalu	Substance name titanium dioxide; [in powder form more of particles with aerodynam µm] e of exposure EL ies od ce uation/classification	ic diameter ≤ 10 oral > rat OECD 408 ECHA Based on av	13463-67-7 96	236-675-5
No 1 Route NOA Spec Meth Source Evalu Route	Substance name titanium dioxide; [in powder form more of particles with aerodynam µm] e of exposure EL ies od ce uation/classification e of exposure	ic diameter ≤ 10 oral > rat OECD 408 ECHA Based on av inhalational	13463-67-7 96	236-675-5 32 mg/kg bv
No 1 Route NOA Spec Soure Evalu Route Spec	Substance name titanium dioxide; [in powder form more of particles with aerodynam µm] e of exposure EL ies od ce Jation/classification e of exposure ies	ic diameter ≤ 10 oral > rat OECD 408 ECHA Based on av inhalational rat	13463-67-7 96	236-675-5 32 mg/kg bv
No 1 Route NOA Spec Meth Soure Soure Spec	Substance name titanium dioxide; [in powder form more of particles with aerodynam µm] e of exposure EL ies od ce Jation/classification e of exposure ies ce	ic diameter ≤ 10 oral > rat OECD 408 ECHA Based on av inhalational rat ECHA	13463-67-7 96 ailable data, the clas	236-675-5 32 mg/kg bv ssification criteria are not m
No 1 Route NOA Spec Meth Soure Soure Soure Soure Evalu	Substance name titanium dioxide; [in powder form more of particles with aerodynam µm] e of exposure EL ies od ce Jation/classification e of exposure ies ce Jation/classification	ic diameter ≤ 10 oral > rat OECD 408 ECHA Based on av inhalational rat ECHA	13463-67-7 96 ailable data, the clas	236-675-5 32 mg/kg by ssification criteria are not m
No 1 Route NOA Spec Meth Source Source Source Evalu Evalu 2	Substance name titanium dioxide; [in powder form more of particles with aerodynam µm] e of exposure EL ies od ce uation/classification e of exposure ies ce uation/classification 2,2,4,6,6-pentamethylheptane	ic diameter ≤ 10 oral > rat OECD 408 ECHA Based on av inhalational rat ECHA Based on av	13463-67-7 96 ailable data, the clas	236-675-5 32 mg/kg bv ssification criteria are not m
No Route NOA Spec Meth Source Source Source Evalu Evalu Evalu 2 Route	Substance name titanium dioxide; [in powder form more of particles with aerodynam µm] e of exposure EL ies od ce uation/classification e of exposure ies ce uation/classification 2,2,4,6,6-pentamethylheptane e of exposure	ic diameter ≤ 10 oral > rat OECD 408 ECHA Based on av inhalational rat ECHA Based on av oral	13463-67-7 96 ailable data, the clas	236-675-5 32 mg/kg by ssification criteria are not m
No Route Route NOA Spec Meth Soure Evalu Spec Soure Route Spec Soure Route Spec Soure	Substance name titanium dioxide; [in powder form more of particles with aerodynam µm] e of exposure EL ies od ce uation/classification e of exposure ies ce uation/classification 2,2,4,6,6-pentamethylheptane e of exposure ies	ic diameter ≤ 10 oral > rat OECD 408 ECHA Based on av inhalational rat ECHA Based on av oral oral rat	13463-67-7 96 ailable data, the clas	236-675-5 32 mg/kg by ssification criteria are not m
No Route Route NOA Spec Evalu Route Spec Soure Evalu Evalu Route Spec Soure Evalu Evalu Evalu Evalu Evalu Evalu Moth Spec Soure Evalu	Substance name titanium dioxide; [in powder form more of particles with aerodynam µm] e of exposure EL ies od ce uation/classification e of exposure ies ce uation/classification 2,2,4,6,6-pentamethylheptane e of exposure ies od	ic diameter ≤ 10 oral > rat OECD 408 ECHA Based on av inhalational rat ECHA Based on av oral rat OECD 408	13463-67-7 96 ailable data, the clas	236-675-5 32 mg/kg by ssification criteria are not m
No Route Route Spec Meth Source Evalut Spec Source Evalut Spec Meth Source Meth	Substance name titanium dioxide; [in powder form more of particles with aerodynam µm] e of exposure EL ies od ce uation/classification e of exposure ies ce uation/classification 2,2,4,6,6-pentamethylheptane e of exposure ies od ce	ic diameter ≤ 10 oral > rat OECD 408 ECHA Based on av inhalational rat ECHA Based on av oral rat OECD 408 ECHA	13463-67-7 96 ailable data, the clas ailable data, the clas 13475-82-6	236-675-5 32 mg/kg bv assification criteria are not m assification criteria are not m 236-757-0
No Route Route NOA Spec Evalut Spec Source Evalut Spec Source Evalut Spec Methh Source Evalut Spec Methh Source Evalut Spec Source Evalut Spec Source Evalut Spec Source Evalut Spec Source Evalut Spec Source Evalut Spec Source Evalut Spec Source Evalut Spec Source Evalut Spec Source Evalut Spec Source Evalut Spec Source Evalut Spec Source Evalut Spec Spec Source Evalut Spec Spec Source Evalut Spec Spe	Substance name titanium dioxide; [in powder form more of particles with aerodynam µm] e of exposure EL ies od ce uation/classification e of exposure ies ce uation/classification 2,2,4,6,6-pentamethylheptane e of exposure ies od ce uation/classification	ic diameter ≤ 10 oral > rat OECD 408 ECHA Based on av inhalational rat ECHA Based on av oral rat OECD 408 ECHA Based on av	13463-67-7 96 ailable data, the clas ailable data, the clas 13475-82-6	236-675-5 32 mg/kg by ssification criteria are not m
No 1 Routa NOA Spec Meth Source Evalu Spec Source Evalu Spec Meth Spec Source Evalu Spec Meth Spec Meth Source Routa Spec Meth Source Evalu Routa	Substance name titanium dioxide; [in powder form more of particles with aerodynam µm] e of exposure EL ies od ce uation/classification e of exposure ies ce uation/classification 2,2,4,6,6-pentamethylheptane e of exposure ies od ce uation/classification e of exposure ies od ce uation/classification e of exposure ies od ce uation/classification e of exposure	ic diameter ≤ 10 oral > rat OECD 408 ECHA Based on av inhalational rat ECHA Based on av oral rat OECD 408 ECHA Based on av inhalational	13463-67-7 96 ailable data, the clas ailable data, the clas 13475-82-6	236-675-5 32 mg/kg bv assification criteria are not m assification criteria are not m 236-757-0
No 1 Routa NOA Spec Meth Source Evalu Spec Source Evalu Spec Source Evalu Spec Meth Spec Meth Source Evalu Spec Meth Source Evalu Routa Spec	Substance name titanium dioxide; [in powder form more of particles with aerodynam µm] e of exposure EL ies od ce uation/classification e of exposure ies ce uation/classification 2,2,4,6,6-pentamethylheptane e of exposure ies od ce uation/classification e of exposure ies od ce uation/classification e of exposure ies	ic diameter ≤ 10 oral > rat OECD 408 ECHA Based on av inhalational rat ECHA Based on av oral rat OECD 408 ECHA Based on av inhalational rat OECD 408 ECHA Based on av	13463-67-7 96 ailable data, the clas ailable data, the clas 13475-82-6	236-675-5 32 mg/kg bv assification criteria are not m assification criteria are not m 236-757-0
No 1 Routa NOA Spec Meth Source Evalu Spec Source Evalu Spec Meth Spec Source Evalu Spec Meth Spec Meth Source Routa Spec Meth Source Evalu Routa	Substance name titanium dioxide; [in powder form more of particles with aerodynam µm] e of exposure EL ies od ce uation/classification e of exposure ies ce uation/classification 2,2,4,6,6-pentamethylheptane e of exposure ies od ce uation/classification e of exposure ies od ce uation/classification e of exposure ies od ce uation/classification e of exposure ies od ce uation/classification	ic diameter ≤ 10 oral > rat OECD 408 ECHA Based on av inhalational rat ECHA Based on av oral rat OECD 408 ECHA Based on av inhalational	13463-67-7 96 ailable data, the clas ailable data, the clas 13475-82-6	236-675-5 32 mg/kg bv assification criteria are not m assification criteria are not m 236-757-0

No data available

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

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Ingestion may cause nausea, diarrhoea and vomiting. 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.

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11.2 Information on other hazards

Endocrine disrupting properties No data available.

Other information No data available.

SECTION 12: Ecological information

12.1 Toxicity

	city to fish (acute)				
No	Substance name	CAS n	0.	EC no.	
1	2,2,4,6,6-pentamethylheptane	13475	-82-6	236-757-0	
LC5		>	1.2	mg/l	
Dura	ation of exposure		96	h	
Spe		Oncorhynchus mykis	S		
Sou	rce	ECHA			
Tovi	city to fish (chronic)				
	lata available				
NO C					
	city to Daphnia (acute)				
No	Substance name	CAS n		EC no.	
1	2,2,4,6,6-pentamethylheptane	13475		236-757-0	
EC5		>	1.3	mg/l	
	ation of exposure		48	h	
Spe		Daphnia magna			
Sou	rce	ECHA			
	city to Daphnia (chronic) lata available				
No c Tox i		CAS n	0.	EC no.	
No c Toxi No	lata available city to algae (acute) Substance name titanium dioxide; [in powder form cor more of particles with aerodynamic d	ntaining 1 % or 13463	-	EC no. 236-675-5	
No c Toxi No 1	data available city to algae (acute) Substance name titanium dioxide; [in powder form cor more of particles with aerodynamic d μm]	ntaining 1 % or 13463	-		
No c Toxi No 1 EC5 Dura	ata available city to algae (acute) Substance name titanium dioxide; [in powder form cor more of particles with aerodynamic d μm] 0 ation of exposure	ataining 1 % or 13463 iameter ≤ 10	- 67-7 100 72	236-675-5	
No c Toxi No 1 EC5 Dura	ata available city to algae (acute) Substance name titanium dioxide; [in powder form cor more of particles with aerodynamic d μm] 0 ation of exposure	taining 1 % or 13463 iameter ≤ 10 Raphidocelis subcap	- 67-7 100 72	236-675-5 mg/l	
No c Toxi No 1 EC5 Dura Sper Meth	data available city to algae (acute) Substance name titanium dioxide; [in powder form cor more of particles with aerodynamic d µm] 0 ation of exposure cies nod	taining 1 % or 13463 iameter ≤ 10 Raphidocelis subcap OECD 201	- 67-7 100 72	236-675-5 mg/l	
No o Toxi No 1 EC5 Dura Spe Mett Sou	data available city to algae (acute) Substance name titanium dioxide; [in powder form cor more of particles with aerodynamic d µm] 0 ation of exposure cies nod rce	taining 1 % or 13463 iameter ≤ 10 Raphidocelis subcap OECD 201 ECHA	- 67-7 100 72 itata	236-675-5 mg/l h	
No c Toxi No 1 EC5 Dura Spe Meth Sou	data available city to algae (acute) Substance name titanium dioxide; [in powder form cor more of particles with aerodynamic d µm] 0 ation of exposure cies nod	taining 1 % or 13463 iameter ≤ 10 Raphidocelis subcap OECD 201 ECHA	- 67-7 100 72 itata	236-675-5 mg/l	net.
No c Toxi No 1 EC5 Dura Spec Meth Sour Eval	data available city to algae (acute) Substance name titanium dioxide; [in powder form cor more of particles with aerodynamic d µm] 0 ation of exposure cies nod rce uation/classification	taining 1 % or 13463 iameter ≤ 10 Raphidocelis subcap OECD 201 ECHA	- 67-7 100 72 itata	236-675-5 mg/l h	net.
No of Toxi No 1 EC5 Dura Spea Meth Sour Eval	data available city to algae (acute) Substance name titanium dioxide; [in powder form cor more of particles with aerodynamic d µm] 0 ation of exposure cies nod rce uation/classification city to algae (chronic)	taining 1 % or 13463 iameter ≤ 10 Raphidocelis subcap OECD 201 ECHA	- 67-7 100 72 itata	236-675-5 mg/l h	net.
No c Toxi No 1 EC5 Dura Spe Meth Sou Eval Toxi No c	ata available city to algae (acute) Substance name titanium dioxide; [in powder form cor more of particles with aerodynamic d µm] 0 ation of exposure cies nod rce uation/classification city to algae (chronic) lata available	taining 1 % or 13463 iameter ≤ 10 Raphidocelis subcap OECD 201 ECHA	- 67-7 100 72 itata	236-675-5 mg/l h	net.
No c Toxi No 1 EC5 Dura Spe Meth Sou Eval Toxi No c Bac	data available city to algae (acute) Substance name titanium dioxide; [in powder form cor more of particles with aerodynamic d µm] 0 ation of exposure cies nod rce uation/classification city to algae (chronic)	taining 1 % or 13463 iameter ≤ 10 Raphidocelis subcap OECD 201 ECHA	- 67-7 100 72 itata	236-675-5 mg/l h	net.

Biod	degradability				
No	Substance name	CAS	S no.	EC no.	
1	titanium dioxide; [in powder form contain more of particles with aerodynamic diam		63-67-7	236-675-5	
	μm]				
Sou	rce	ECHA			
Eval	luation	Not applicable for	inorganic substances	S.	
2	2,2,4,6,6-pentamethylheptane	134	75-82-6	236-757-0	
Туре	Э	aerobic biodegrad	ation		
Valu	le		80	%	
Dura	ation		28	day(s)	
Meth	hod	OECD 301 F			



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	version : 3.0.1, issued: 03.07.2023	Renlace	d version: 3.0.0, issued: 2	26 10 2022	Region: GB
Juileill	10101011 0.0.1, 13000. 00.01.2020	Replace			Negion. OD
So	urce	ECHA			
Eva	aluation	readily biod	egradable		
	Bioaccumulative potential rtition coefficient n-octanol/water (log	value)			
No		valuej	CAS no.	EC no.	
1	titanium dioxide; [in powder form c	ontaining 1 % or	13463-67-7	236-675-5	
	more of particles with aerodynamic µm]	diameter ≤ 10			
	t applicable				
So	urce	ECHA			
12.4	Mobility in soil				
	No data available.				
12.5	Results of PBT and vPvB assess	ment			
	sults of PBT and vPvB assessment				
	T assessment			e not considered to be a F	
vP	vB assessment	The compo	nents of this product are	e not considered to be a v	/PvB.
12.6	Endocrine disrupting properties No data available.				
12.7	Other adverse effects No data available.				
12 8	Other information				
	her information				
Do	not allow to enter drains or water course	es.			
	FION 13: Disposal consideration	ns			
13.1	Waste treatment methods				
	Product Waste code 08 01 11*	waata nain	and varniah containing	organic solvents or othe	rbozordovo
	Waste code 08 01 11*	substances	•	organic solvents or othe	rnazardous
	The listed waste code numbers, accord	ling to the Europea	n Waste Catalogue, are		
	recommendation. A final decision must				
	Disposal of the product should be carried the responsible local authority and the				Itation with
	Packaging				
	Residues must be removed from packa	iging and when em	ptied completely dispos	sed of in accordance with	the
	regulations for waste removal. Incomple	etely emptied pack	aging must be disposed		
	by the regional disposer. Empty contain	ers must be scrap	ped or reconditioned.		
SECT	FION 14: Transport information				
14.1	Transport ADR/RID/ADN				
	Class 3 Classification code F1				
	Packing group III				
	Hazard identification no. 30				

	Packing group	
	Hazard identification no.	30
	UN number	UN1263
	Proper shipping name	PAINT
	Tunnel restriction code	D/E
	Label	3
	Comments	Containers with a capacity <= 450 ltrs are not subject to ADR-regulations (refer to 2.2.3.1.5.)
14.2	Transport IMDG	
	Class	3
	Packing group	
	UN number	UN1263

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	Proper shipping name EmS Label Comments	PAINT F-E+S-E 3 Containers with a capacity <= 450 ltrs are not subjected to IMDG regulations, chapter 4.1, 5.2 and 6.1 (see IMDG-Code 2.3.2.5)	-
14.3	Transport ICAO-TI / IATA Class Packing group UN number Proper shipping name Label	3 III UN1263 Paint 3	
14.4	Other information No data available.		
14.5		zards, 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.

Maritime transport in bulk according to IMO instruments 14.7

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 3,40 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	Calcium carbonate	471-34-1	207-439-9	75
2	Limestone	1317-65-3	215-279-6	75
3	propylene carbonate	108-32-7	203-572-1	75
4	titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm]	13463-67-7	236-675-5	75

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances This product is subject to Part I of Annex I, risk category: P5c

Directive 2010/75/EU on industrial emissions (integrated pollution prevention and control) 24.81 VOC content %

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. : g, type: lb = 350 g/l Max. VOC content (limit value) of the product in its ready for use condition = < 350 g/l

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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)

EUH066	Repeated exposure may cause skin dryness or cracking.
H304	May be fatal if swallowed and enters airways.
H351i	Suspected of causing cancer by inhalation.
H413	May cause long lasting harmful effects to aquatic life.

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

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