

**Trade name:** einZA mix Solid Vorlack, Basis 1

**Product no.:** 0069187

**Current version :** 4.1.0, issued: 25.11.2021

**Replaced version:** 4.0.0, issued: 10.11.2021

**Region:** GB

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

### 1.1 Product identifier

Trade name

**einZA mix Solid Vorlack, Basis 1**

### 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° 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)**

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).

Trade name: einzA mix Solid Vorlack, Basis 1

Product no.: 0069187

Current version : 4.1.0, issued: 25.11.2021

Replaced version: 4.0.0, issued: 10.11.2021

Region: GB

**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	Classification (EC) 1272/2008 (CLP)	Additional information	%
	CAS / EC / Index / REACH no		Concentration	
1	<b>titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]</b>			
	13463-67-7 236-675-5 022-006-00-2 01-2119489379-17	Carc. 2; H351i	>= 25.00 - < 50.00	wt%
2	<b>Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b>			
	- 918-481-9 - 01-2119457273-39	Asp. Tox. 1; H304 EUH066	>= 10.00 - < 25.00	wt%
3	<b>propylidynetrimethanol</b>			
	77-99-6 201-074-9 - 01-2119486799-10	Repr. 2; H361fd	< 0.50	wt%

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

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
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
1	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

**Trade name:** einzA mix Solid Vorlack, Basis 1**Product no.:** 0069187**Current version :** 4.1.0, issued: 25.11.2021**Replaced version:** 4.0.0, issued: 10.11.2021**Region:** GB

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, CO<sub>2</sub>, 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 (CO<sub>2</sub>); 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**

Due to the organic solvents' content of the mixture: 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. 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]/[flattening] 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.

Trade name: einzA mix Solid Vorlack, Basis 1

Product no.: 0069187

Current version : 4.1.0, issued: 25.11.2021

Replaced version: 4.0.0, issued: 10.11.2021

Region: GB

**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. 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
<b>List of approved workplace exposure limits (WELs) / EH40</b>			
Titanium dioxide			
total inhalable dust			
	WEL long-term (8-hr TWA reference period)	10	mg/m <sup>3</sup>
<b>List of approved workplace exposure limits (WELs) / EH40</b>			
Titanium dioxide			
respirable dust			
	WEL long-term (8-hr TWA reference period)	4	mg/m <sup>3</sup>

**DNEL, DMEL and PNEC values**

**DNEL values (worker)**

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 aerodynamic diameter ≤ 10 µm]			13463-67-7 236-675-5	
	inhalative	Long term (chronic)	local	10	mg/m <sup>3</sup>
2	propylidynetrimethanol			77-99-6 201-074-9	
	dermal	Long term (chronic)	systemic	0.94	mg/kg/day
	inhalative	Long term (chronic)	systemic	3.30	mg/m <sup>3</sup>

**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 aerodynamic diameter ≤ 10 µm]			13463-67-7 236-675-5	
	oral	Long term (chronic)	systemic	700	mg/kg/day
2	propylidynetrimethanol			77-99-6 201-074-9	
	oral	Long term (chronic)	systemic	0.34	mg/kg/day

Trade name: einzA mix Solid Vorlack, Basis 1

Product no.: 0069187

Current version : 4.1.0, issued: 25.11.2021

Replaced version: 4.0.0, issued: 10.11.2021

Region: GB

dermal	Long term (chronic)	systemic	0.34	mg/kg/day
inhalative	Long term (chronic)	systemic	0.58	mg/m <sup>3</sup>

**PNEC values**

No	Substance name	CAS / EC no
ecological compartment	Type	Value
1	titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]	13463-67-7 236-675-5
	water	fresh water
		0.127 mg/L
	water	marine water
		1 mg/L
	water	Aqua intermittent
		0.61 mg/L
	water	fresh water sediment
		1000 mg/kg
	with reference to: dry weight	
	water	marine water sediment
		100 mg/kg
	with reference to: dry weight	
	soil	-
		100 mg/kg
	with reference to: dry weight	
	sewage treatment plant	-
		100 mg/L
	secondary poisoning	mammalian
		1667 mg/kg

**8.2 Exposure controls****Appropriate engineering controls**

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 goggles to protect against splashes. Safety glasses with side protection shield (EN 166)

**Hand protection**

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

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

Material thickness > 0.4 mm

Breakthrough time > 120 min

Appropriate Material In case of prolonged exposure: nitrile rubber

Material thickness > 0.4 mm

Breakthrough time > 480 min

**Other**

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

# EU safety data sheet

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**Product no.:** 0069187

**Current version :** 4.1.0, issued: 25.11.2021

**Replaced version:** 4.0.0, issued: 10.11.2021

**Region:** GB

<b>Form/Colour</b>			
liquid			
according to product name			
<b>Odour</b>			
characteristic			
<b>pH value</b>			
No data available			
<b>Boiling point / boiling range</b>			
Value	appr.	100	°C
<b>Melting point/freezing point</b>			
No data available			
<b>Decomposition temperature</b>			
No data available			
<b>Flash point</b>			
Value	>=	62	°C
Method	closed cup		
<b>Ignition temperature</b>			
No data available			
<b>Oxidising properties</b>			
Not applicable			
<b>Flammability</b>			
Not applicable			
<b>Lower explosion limit</b>			
No data available			
<b>Upper explosion limit</b>			
No data available			
<b>Vapour pressure</b>			
Value	<	100	hPa
Reference temperature		50	°C
<b>Relative vapour density</b>			
No data available			
<b>Relative density</b>			
No data available			
<b>Density</b>			
Value	1.15	-	1.45 g/cm <sup>3</sup>
Reference temperature		20	°C
Method	DIN 51757		
<b>Solubility in water</b>			
Comments	immiscible		
<b>Solubility</b>			
No data available			
<b>Partition coefficient n-octanol/water (log value)</b>			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	-	918-481-9
	log Pow	3.17	- 7.22
	Method	QSAR	
	Source	ECHA	
2	propylidynetrimethanol	77-99-6	201-074-9
	log Pow	-0.47	

Trade name: einzA mix Solid Vorlack, Basis 1

Product no.: 0069187

Current version : 4.1.0, issued: 25.11.2021

Replaced version: 4.0.0, issued: 10.11.2021

Region: GB

Reference temperature	26	°C
Method	OECD	
Source	ECHA	

Viscosity		
Value	1440 - 1860	Pa*s
Reference temperature	20	°C
Method	DIN 53019	

Solvent separation test	
Not applicable	

Particle characteristics	
No data available	

## 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 containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]	13463-67-7	236-675-5
LD50	>	2000	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	-	918-481-9
LD50	>	15000	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
3	propylidynetrimethanol	77-99-6	201-074-9
LD50	>	14700	mg/kg bodyweight
Species	rat		
Source	ECHA		

Trade name: einzA mix Solid Vorlack, Basis 1

Product no.: 0069187

Current version : 4.1.0, issued: 25.11.2021

Replaced version: 4.0.0, issued: 10.11.2021

Region: GB

Acute dermal toxicity			
No	Substance name	CAS no.	EC no.
1	propylidynetrimehanol	77-99-6	201-074-9
LD50	>	10000	mg/kg bodyweight
Species	rabbit		
Source	ECHA		

Acute inhalational toxicity			
No	Substance name	CAS no.	EC no.
1	titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]	13463-67-7	236-675-5
LC50	>	6.82	mg/l
Duration of exposure		4	h
State of aggregation	Dust		
Species	rat		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

No	Substance name	CAS no.	EC no.
2	propylidynetrimehanol	77-99-6	201-074-9
LC50	>	0.85	mg/l
Duration of exposure		4	h
State of aggregation	Dust/mist		
Species	rat		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Skin corrosion/irritation			
No	Substance name	CAS no.	EC no.
1	titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]	13463-67-7	236-675-5
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	non-irritant		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	propylidynetrimehanol	77-99-6	201-074-9
Species	rabbit		
Source	ECHA		
Evaluation	non-irritant		

Serious eye damage/irritation			
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
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	non-irritant		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	propylidynetrimehanol	77-99-6	201-074-9
Species	rabbit		
Source	ECHA		
Evaluation	non-irritant		

Respiratory or skin sensitisation			
No	Substance name	CAS no.	EC no.
1	titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]	13463-67-7	236-675-5
Route of exposure	Skin		



Trade name: einzA mix Solid Vorlack, Basis 1

Product no.: 0069187

Current version : 4.1.0, issued: 25.11.2021

Replaced version: 4.0.0, issued: 10.11.2021

Region: GB

Species	mouse
Method	OECD 429
Source	ECHA
Evaluation	non-sensitizing
Evaluation/classification	Based on available data, the classification criteria are not met.
<b>2</b>	<b>propylidynetrimehanol</b> <b>77-99-6</b> <b>201-074-9</b>
Route of exposure	Skin
Species	mouse
Method	OECD 429
Source	ECHA
Evaluation	non-sensitizing

**Germ cell mutagenicity**

No	Substance name	CAS no.	EC no.
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<b>1</b>	<b>titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]</b>	<b>13463-67-7</b>	<b>236-675-5</b>
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Type of examination	In vitro mammalian cytogenicity
Method	OECD 487
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.

<b>2</b>	<b>Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b>	<b>-</b>	<b>918-481-9</b>
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Type of examination	in vitro gene mutation study in bacteria
Species	S. typhimurium TA 1535, TA 1537, TA 98 and TA 100S. typhimurium TA 1535, TA 1537, TA 98, TA 100, TA 102
Method	OECD 471
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.

Route of exposure	oral
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Type of examination	In vivo mammalian somatic cell study: cytogenicity / erythrocyte micronucleus
Species	mouse
Method	OECD 474
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.

<b>3</b>	<b>propylidynetrimehanol</b> <b>77-99-6</b> <b>201-074-9</b>
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Type of examination	in vitro gene mutation study in bacteria
Species	Salmonella typhimurium: TA 1535, TA 1537, TA 98, TA 100; Escherichia coli WP2 uvrA
Method	OECD 471
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.

**Reproduction toxicity**

No	Substance name	CAS no.	EC no.
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<b>1</b>	<b>titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]</b>	<b>13463-67-7</b>	<b>236-675-5</b>
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Route of exposure	oral
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NOAEL	>=	1000	mg/kg bw/d
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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
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NOAEL		1000	mg/kg bw/d
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Type of examination	Prenatal Developmental Toxicity Study
Species	rat
Method	OECD 414
Source	ECHA

**Trade name:** einzA mix Solid Vorlack, Basis 1

**Product no.:** 0069187

**Current version :** 4.1.0, issued: 25.11.2021

**Replaced version:** 4.0.0, issued: 10.11.2021

**Region:** GB

Evaluation/classification	Based on available data, the classification criteria are not met.		
<b>2</b>	<b>propylidynetrimehanol</b>	<b>77-99-6</b>	<b>201-074-9</b>
Route of exposure	oral		
NOAEL		2200	ppm
Duration of exposure		19	week/s
Species	rats (male/female)		
Method	OECD 443		
Source	ECHA		

<b>Carcinogenicity</b>			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]</b>	<b>13463-67-7</b>	<b>236-675-5</b>
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.		

<b>STOT - single exposure</b>	
No data available	

<b>STOT - repeated exposure</b>			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]</b>	<b>13463-67-7</b>	<b>236-675-5</b>
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.		

<b>2</b>	<b>Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b>	<b>-</b>	<b>918-481-9</b>
Route of exposure	oral		
NOAEL	>=	500	mg/kg bw/d
Species	rat		
Method	OECD 408		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

<b>3</b>	<b>propylidynetrimehanol</b>	<b>77-99-6</b>	<b>201-074-9</b>
Route of exposure	oral		
NOAEL		67	mg/kg bw/d
Duration of exposure		14	week/s
Species	rats (male/female)		
Source	ECHA		

<b>Aspiration hazard</b>	
No data available	

<b>Delayed and immediate effects as well as chronic effects from short and long-term exposure</b>	
<p>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.</p>	

Trade name: einzA mix Solid Vorlack, Basis 1

Product no.: 0069187

Current version : 4.1.0, issued: 25.11.2021

Replaced version: 4.0.0, issued: 10.11.2021

Region: GB

11.2 Information on other hazards

Endocrine disrupting properties

No data available.

Other information

No data available.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)			
No	Substance name	CAS no.	EC no.
1	propylidynetrimethanol	77-99-6	201-074-9
EC50	>	1000	mg/l
Duration of exposure		96	h
Species	Alburnus Alburnus		
Source	ECHA		

Toxicity to fish (chronic)			
No data available			

Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	propylidynetrimethanol	77-99-6	201-074-9
EC50	>	13000	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Source	ECHA		

Toxicity to Daphnia (chronic)			
No	Substance name	CAS no.	EC no.
1	propylidynetrimethanol	77-99-6	201-074-9
NOEC	>	1000	mg/l
Duration of exposure		21	day(s)
Species	Daphnia magna		
Method	OECD		
Source	ECHA		

Toxicity to algae (acute)			
No	Substance name	CAS no.	EC no.
1	titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]	13463-67-7	236-675-5
EC50	>	100	mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapitata		
Method	OECD 201		
Source	ECHA		
2	propylidynetrimethanol	77-99-6	201-074-9
EC50	>	1000	mg/l
Duration of exposure		72	h
Species	Selenastrum capricornutum		
Method	OECD		
Source	ECHA		

Toxicity to algae (chronic)			
No data available			

Bacteria toxicity			
No	Substance name	CAS no.	EC no.
1	titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]	13463-67-7	236-675-5

Trade name: einzA mix Solid Vorlack, Basis 1

Product no.: 0069187

Current version : 4.1.0, issued: 25.11.2021

Replaced version: 4.0.0, issued: 10.11.2021

Region: GB

		[µm]	
EC50	>	1000	
Duration of exposure		3	h
Species	activated sludge		
Method	OECD 209		
Source	ECHA		
<b>2</b>	<b>propylidynetrimehanol</b>	<b>77-99-6</b>	<b>201-074-9</b>
EC50	>	1000	
Duration of exposure		3	h
Species	activated sludge		
Method	EU C.11		
Source	ECHA		

**12.2 Persistence and degradability**

Biodegradability			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>propylidynetrimehanol</b>	<b>77-99-6</b>	<b>201-074-9</b>
Value		100	%
Duration		28	day(s)
Method	OECD 302 B		
Source	ECHA		
Evaluation	readily biodegradable		

**12.3 Bioaccumulative potential**

Bioconcentration factor (BCF)			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>propylidynetrimehanol</b>	<b>77-99-6</b>	<b>201-074-9</b>
BCF		<	17
Species	Cyprinus carpio		
Method	OECD 305 C		
Source	ECHA		

Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b>	<b>-</b>	<b>918-481-9</b>
log Pow		3.17	- 7.22
Method	QSAR		
Source	ECHA		
<b>2</b>	<b>propylidynetrimehanol</b>	<b>77-99-6</b>	<b>201-074-9</b>
log Pow		-0.47	
Reference temperature		26	°C
Method	OECD		
Source	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.

Trade name: einzA mix Solid Vorlack, Basis 1

Product no.: 0069187

Current version : 4.1.0, issued: 25.11.2021

Replaced version: 4.0.0, issued: 10.11.2021

Region: GB

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Waste code 08 01 11\* waste paint and varnish containing organic solvents or other hazardous substances

The listed waste code numbers, according to the European Waste Catalogue, are to be understood as a recommendation. A final decision must be made in agreement with the regional waste disposal company. 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

#### EU regulations

##### **Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

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

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

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

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

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

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

##### **Directive 2010/75/EU on industrial emissions (integrated pollution prevention and control)**

Trade name: einzA mix Solid Vorlack, Basis 1

Product no.: 0069187

Current version : 4.1.0, issued: 25.11.2021

Replaced version: 4.0.0, issued: 10.11.2021

Region: GB

VOC content	19.21 %
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**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. : d, type: lb = 300 g/l  
Max. VOC content (limit value) of the product in its ready for use condition = < 300 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)**

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.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.

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

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

**Creation of the safety data sheet**

UMCO GmbH

Georg-Wilhelm-Str. 187, D-21107 Hamburg

Tel.: +49 40 / 555 546 300 Fax: +49 40 / 555 546 357 e-mail: umco@umco.de

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.

# EU safety data sheet



**Trade name:** einza mix Solid Vorlack, Basis 1

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Prod-ID 653560