

Trade name: einza HydroAlkyd Seidenglanz, weiß**Product no.:** 1821030**Current version :** 3.2.1, issued: 07.08.2023**Replaced version:** 3.2.0, issued: 14.03.2023**Region:** GB**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name

einza HydroAlkyd Seidenglanz, 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 HannoverTelephone no. +49 (0)511 67490-0
Fax no. +49 (0)511 67490-20
e-mail info@einza.com**Advice on Safety Data Sheet**
sdb_info@umco.de**1.4 Emergency telephone number**For medical advice (in German and English):
+49 (0)551 192 40 (Giftinformationszentrum Nord)**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification information**

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

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

2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)****Hazard pictograms**

-

Signal word

-

Hazard statement(s)

-

Hazard statements (EU)

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

EUH210 Safety data sheet available on request.

EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

Precautionary statement(s)

-

Trade name: einza HydroAlkyd Seidenglanz, weiß

Product no.: 1821030

Current version : 3.2.1, issued: 07.08.2023

Replaced version: 3.2.0, issued: 14.03.2023

Region: GB

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

| No | Substance name | | Additional information | |
|----|-----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----|
| | CAS / EC / Index / REACH no | Classification (EC) 1272/2008 (CLP) | Concentration | % |
| 1 | titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] | | | |
| | 13463-67-7 236-675-5 022-006-00-2 01-2119489379-17 | Carc. 2; H351i | >= 25.00 - < 50.00 | wt% |
| 2 | propylidynetrimehanol | | | |
| | 77-99-6 201-074-9 - 01-2119486799-10 | Repr. 2; H361fd | < 0.50 | wt% |
| 3 | 1,2-benzisothiazol-3(2H)-one | | pls. refer to footnote (1) | |
| | 2634-33-5 220-120-9 613-088-00-6 - | Acute Tox. 4*; H302 Eye Dam. 1; H318 Skin Irrit. 2; H315 Skin Sens. 1; H317 Acute Tox. 2; H330 Aquatic Acute 1; H400 Aquatic Chronic 2; H411 | < 0.05 | wt% |
| 4 | pyridine-2-thiol 1-oxide, sodium salt | | | |
| | 3811-73-2 223-296-5 - - | Acute Tox. 4; H302 Acute Tox. 4; H332 Aquatic Acute 1; H400 Aquatic Chronic 2; H411 Eye Dam. 1; H318 | < 0.10 | wt% |
| 5 | reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1) | | | |
| | 55965-84-9 - 613-167-00-5 - | Acute Tox. 2; H310 Acute Tox. 2; H330 Acute Tox. 3; H301 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 EUH071 Eye Dam. 1; H318 Skin Corr. 1C; H314 Skin Sens. 1A; H317 | < 0.0015 | wt% |
| 6 | 2-methyl-2H-isothiazol-3-one | | | |

Trade name: einza HydroAlkyd Seidenglanz, weiß

Product no.: 1821030

Current version : 3.2.1, issued: 07.08.2023

Replaced version: 3.2.0, issued: 14.03.2023

Region: GB

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

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

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

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

| No | Note | Specific concentration limits | M-factor (acute) | M-factor (chronic) |
|----|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|
| 1 | V, W, 10 | - | - | - |
| 3 | - | Skin Sens. 1; H317: C \geq 0.05% | - | - |
| 4 | - | - | M = 100 | - |
| 5 | B | Skin Sens. 1A; H317: C \geq 0.0015% Eye Irrit. 2; H319: C \geq 0.06% Skin Irrit. 2; H315: C \geq 0.06% Skin Corr. 1C; H314: C \geq 0.6% Eye Dam. 1; H318: C \geq 0.6% | M = 100 | M = 100 |
| 6 | - | Skin Sens. 1A; H317: C \geq 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 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

Alcohol resistant foam, CO₂, powders, water spray

Trade name: einza HydroAlkyd Seidenglanz, weiß

Product no.: 1821030

Current version : 3.2.1, issued: 07.08.2023

Replaced version: 3.2.0, issued: 14.03.2023

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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

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.

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.

Trade name: einza HydroAlkyd Seidenglanz, weiß

Product no.: 1821030

Current version : 3.2.1, issued: 07.08.2023

Replaced version: 3.2.0, issued: 14.03.2023

Region: GB

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

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 | 1.25 | mg/m ³ |
| 2 | propylidynetrimehanol | | | 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 ³ |

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 | |
| | inhalative | Long term (chronic) | local | 210 | µg/m ³ |
| 2 | propylidynetrimehanol | | | 77-99-6 201-074-9 | |
| | oral | Long term (chronic) | systemic | 0.34 | mg/kg/day |
| | dermal | Long term (chronic) | systemic | 0.34 | mg/kg/day |
| | inhalative | Long term (chronic) | systemic | 0.58 | mg/m ³ |

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)

Trade name: einza HydroAlkyd Seidenglanz, weiß

Product no.: 1821030

Current version : 3.2.1, issued: 07.08.2023

Replaced version: 3.2.0, issued: 14.03.2023

Region: GB

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 | |
| Form | |
| liquid | |
| Colour | |
| according to product name | |
| Odour | |
| characteristic | |
| pH value | |
| Value | 6.5 - 7.5 |
| Boiling point / boiling range | |
| Value | appr. 100 °C |
| Melting point/freezing point | |
| No data available | |
| Decomposition temperature | |
| No data available | |
| Flash point | |
| Not applicable | |
| Ignition temperature | |
| No data available | |
| Oxidising properties | |
| Not applicable | |
| Flammability | |
| Not applicable | |
| Lower explosion limit | |
| No data available | |
| Upper explosion limit | |
| No data available | |

Trade name: einza HydroAlkyd Seidenglanz, weiß

Product no.: 1821030

Current version : 3.2.1, issued: 07.08.2023

Replaced version: 3.2.0, issued: 14.03.2023

Region: GB

| Vapour pressure | | | |
|-----------------------|---|-----|-----|
| Value | < | 100 | hPa |
| Reference temperature | | 50 | °C |

| Relative vapour density | | | |
|-------------------------|--|--|--|
| No data available | | | |

| Relative density | | | |
|-------------------|--|--|--|
| No data available | | | |

| Density | | | |
|-----------------------|-----------|----|------------------------|
| Value | 1.34 | - | 1.36 g/cm ³ |
| Reference temperature | | 20 | °C |
| Method | DIN 51757 | | |

| Solubility in water | |
|---------------------|----------|
| Comments | miscible |

| Solubility | |
|-------------------|--|
| No data available | |

| Partition coefficient n-octanol/water (log value) | | | |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------|------------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] | 13463-67-7 | 236-675-5 |
| Not applicable | | | |
| Source | | ECHA | |
| 2 | propylidynetrimethanol | 77-99-6 | 201-074-9 |
| log Pow | | -0.47 | |
| Reference temperature | | 26 | °C |
| Method | OECD | | |
| Source | ECHA | | |

| Kinematic viscosity | | | |
|-----------------------|-----------|----|-----------|
| Value | 1900 | - | 2200 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.

Trade name: einzA HydroAlkyd Seidenglanz, weiß

Product no.: 1821030

Current version : 3.2.1, issued: 07.08.2023

Replaced version: 3.2.0, issued: 14.03.2023

Region: GB

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 | propylidynetrimethanol | 77-99-6 | 201-074-9 |
| LD50 | > | 14700 | mg/kg bodyweight |
| Species | rat | | |
| Source | ECHA | | |
| Acute dermal toxicity | | | |
| No | Substance name | CAS no. | EC no. |
| 1 | propylidynetrimethanol | 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 | > | 5.09 | mg/l |
| Duration of exposure | | 4 | h |
| State of aggregation | Dust | | |
| Species | rat | | |
| Method | OECD 403 | | |
| 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 | propylidynetrimethanol | 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 | | |

Trade name: einza HydroAlkyd Seidenglanz, weiß

Product no.: 1821030

Current version : 3.2.1, issued: 07.08.2023

Replaced version: 3.2.0, issued: 14.03.2023

Region: GB

| | |
|---------------------------|-------------------------------------------------------------------|
| Method | OECD 405 |
| Source | ECHA |
| Evaluation | non-irritant |
| Evaluation/classification | Based on available data, the classification criteria are not met. |
| 2 | propylidynetrimethanol 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 |
| Species | mouse |
| Method | OECD 429 |
| Source | ECHA |
| Evaluation | non-sensitizing |
| Evaluation/classification | Based on available data, the classification criteria are not met. |
| 2 | propylidynetrimethanol 77-99-6 201-074-9 |
| Route of exposure | Skin |
| Species | mouse |
| Method | OECD 429 |
| Source | ECHA |
| Evaluation | non-sensitizing |

Germ cell mutagenicity

| 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 |

| | |
|---------------------------|------------------------------------------------------------------------------------|
| Type of examination | In vitro mammalian cytogenicity |
| Method | 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 | propylidynetrimethanol 77-99-6 201-074-9 |
| 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. |
|----|----------------------------------------------------------------------------------------------------------|------------|-----------|
| 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 | oral |
| NOAEL | >= 1000 mg/kg bw/d |
| 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. |

Trade name: einzA HydroAlkyd Seidenglanz, weiß

Product no.: 1821030

Current version : 3.2.1, issued: 07.08.2023

Replaced version: 3.2.0, issued: 14.03.2023

Region: GB

| | | | |
|---------------------------|-------------------------------------------------------------------|------------|--|
| Route of exposure | oral | | |
| NOAEL | 1000 | mg/kg bw/d | |
| Type of examination | Prenatal Developmental Toxicity Study | | |
| Species | rat | | |
| Method | OECD 414 | | |
| Source | ECHA | | |
| Evaluation/classification | Based on available data, the classification criteria are not met. | | |

| | | | |
|----------|-------------------------------|----------------|------------------|
| 2 | propylidynetrimethanol | 77-99-6 | 201-074-9 |
|----------|-------------------------------|----------------|------------------|

| | | | |
|----------------------|--------------------|--------|--|
| Route of exposure | oral | | |
| NOAEL | 2200 | ppm | |
| Duration of exposure | 19 | week/s | |
| Species | rats (male/female) | | |
| Method | OECD 443 | | |
| Source | ECHA | | |

Carcinogenicity

| 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 | oral | | |
| NOEL | 7500 | mg/kg bw/d | |
| Species | mouse | | |
| Source | ECHA | | |
| Evaluation/classification | Based on available data, the classification criteria are not met. | | |

STOT - single exposure

No data available

STOT - repeated exposure

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

| | | | |
|---------------------------|-------------------------------------------------------------------|------------|--|
| Route of exposure | oral | | |
| NOAEL | > 962 | mg/kg bw/d | |
| Species | rat | | |
| Method | OECD 408 | | |
| Source | ECHA | | |
| Evaluation/classification | Based on available data, the classification criteria are not met. | | |

| | | | |
|---------------------------|-------------------------------------------------------------------|--|--|
| Route of exposure | inhalational | | |
| Species | rat | | |
| Source | ECHA | | |
| Evaluation/classification | Based on available data, the classification criteria are not met. | | |

| | | | |
|----------|-------------------------------|----------------|------------------|
| 2 | propylidynetrimethanol | 77-99-6 | 201-074-9 |
|----------|-------------------------------|----------------|------------------|

| | | | |
|----------------------|--------------------|------------|--|
| Route of exposure | oral | | |
| NOAEL | 67 | mg/kg bw/d | |
| Duration of exposure | 14 | week/s | |
| Species | rats (male/female) | | |
| Source | ECHA | | |

Aspiration hazard

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.

Trade name: einza HydroAlkyd Seidenglanz, weiß

Product no.: 1821030

Current version : 3.2.1, issued: 07.08.2023

Replaced version: 3.2.0, issued: 14.03.2023

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 |
| LC50 | > | 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 | Raphidocelis subcapitata | | |
| Method | OECD 201 | | |
| Source | ECHA | | |
| Evaluation/classification | Based on the available data, the classification criteria are not met. | | |
| 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 | propylidynetrimethanol | 77-99-6 | 201-074-9 |
| EC50 | > | 1000 | |

Trade name: einzA HydroAlkyd Seidenglanz, weiß

Product no.: 1821030

Current version : 3.2.1, issued: 07.08.2023

Replaced version: 3.2.0, issued: 14.03.2023

Region: GB

| | | |
|----------------------|------------------|---|
| 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. |
| 1 | titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] | 13463-67-7 | 236-675-5 |
| Source | | ECHA | |
| Evaluation | | Not applicable for inorganic substances. | |
| 2 | propylidynetrimethanol | 77-99-6 | 201-074-9 |
| 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. |
| 1 | propylidynetrimethanol | 77-99-6 | 201-074-9 |
| 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. |
| 1 | titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] | 13463-67-7 | 236-675-5 |
| Not applicable | | | |
| Source | | ECHA | |
| 2 | propylidynetrimethanol | 77-99-6 | 201-074-9 |
| 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. |

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Trade name: einzA HydroAlkyd Seidenglanz, weiß

Product no.: 1821030

Current version : 3.2.1, issued: 07.08.2023

Replaced version: 3.2.0, issued: 14.03.2023

Region: GB

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

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

| No | Substance name | CAS no. | EC no. | No |
|----|--------------------------------------------------------------------------------------------------|------------|-----------|----|
| 1 | 1,2-benzisothiazol-3(2H)-one | 2634-33-5 | 220-120-9 | 75 |
| 2 | 2-amino-2-methylpropanol | 124-68-5 | 204-709-8 | 75 |
| 3 | acetone | 67-64-1 | 200-662-2 | 75 |
| 4 | pyridine-2-thiol 1-oxide, sodium salt | 3811-73-2 | 223-296-5 | 75 |
| 5 | reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1) | 55965-84-9 | - | 75 |

Trade name: einzA HydroAlkyd Seidenglanz, weiß

Product no.: 1821030

Current version : 3.2.1, issued: 07.08.2023

Replaced version: 3.2.0, issued: 14.03.2023

Region: GB

| | | | | |
|---|----------------------------------------------------------------------------------------------------------|------------|-----------|----|
| 6 | 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 not subject to Part 1 or 2 of Annex I.

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

VOC content 1.11 %

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: wb = 130 g/l
 Max. VOC content (limit value) of the product in its ready for use condition = < 130 g/l

National regulations**Other national regulations**

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

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

SECTION 16: Other information**Sources of key data used to compile the data sheet:**

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

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

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

| | |
|--------|--------------------------------------------------------------------------|
| EUH071 | Corrosive to the respiratory tract. |
| H301 | Toxic if swallowed. |
| H302 | Harmful if swallowed. |
| H310 | Fatal in contact with skin. |
| H311 | Toxic in contact with skin. |
| 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. |
| H332 | Harmful if inhaled. |
| H351i | Suspected of causing cancer by inhalation. |
| H361fd | Suspected of damaging fertility. Suspected of damaging the unborn child. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects. |

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

B Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at 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.

Trade name: einzA HydroAlkyd Seidenglanz, weiß

Product no.: 1821030

Current version : 3.2.1, issued: 07.08.2023

Replaced version: 3.2.0, issued: 14.03.2023

Region: GB

| | |
|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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

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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.

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