EU safety data sheet

Trade name: einzA Lawinit 2-K-Epoxi-Primer, weiß Stammlack

Product no.: 0071544

Current version : 4.3.0, issued: 03.01.2024

Replaced version: 4.2.0, issued: 03.07.2023

Region: GB

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

1.1 Product identifier

Trade name

einzA Lawinit 2-K-Epoxi-Primer, weiß Stammlack

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) Aquatic Chronic 3; H412

Eye Dam. 1; H318

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



Signal word Danger

Hazardous component(s) to be indicated on label: polyaminoamidadduct

Hazard statement(s)

H318 H412 Causes serious eye damage. Harmful to aquatic life with long lasting effects.

| | einza |
|---|------------|
| Primer, weiß Stammlack | |
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Hazard statements (EU) EUH208 Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction. EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist. Precautionary statement(s) P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. F

| P280 | Wear protective gloves/eye protection. |
|----------------|--|
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if |
| | present and easy to do. Continue rinsing. |
| P310 | Immediately call a POISON CENTER/doctor. |
| 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 information | |
|----|--------------------------------|---|---------|----------------------|-----|
| | CAS / EC / Index / REACH no | Classification (EC) 1272/2008 (CLP) | Conc | entration | % |
| 1 | | n powder form containing 1 % or more of | | | |
| | | dynamic diameter ≤ 10 μm] | 1. | 40.00 | 10/ |
| | 13463-67-7 | Carc. 2; H351i | >= | 10.00 - < 25.00 | wt% |
| | 236-675-5 | | | | |
| | 022-006-00-2 | | | | |
| | 01-2119489379-17 | | | | |
| 2 | polyaminoamidadduct | | | f 0.00 | 10/ |
| | - | Eye Dam. 1; H318 | >= | 5.00 - < 10.00 | wt% |
| | - | | | | |
| | - | | | | |
| - | - | | | | |
| 3 | trizinc bis(orthopho | | | | |
| | 7779-90-0 | Aquatic Acute 1; H400 | < | 2.50 | wt% |
| | 231-944-3 | Aquatic Chronic 1; H410 | | | |
| | 030-011-00-6 | | | | |
| | 01-2119485044-40 | | | | |
| 4 | zinc oxide | | | | |
| | 1314-13-2 | Aquatic Acute 1; H400 | < | 0.25 | wt% |
| | 215-222-5 | Aquatic Chronic 1; H410 | | | |
| | 030-013-00-7 | | | | |
| | 01-2119463881-32 | | | | |
| 5 | propylidynetrimeth | | | | |
| | 77-99-6 | Repr. 2; H361fd | < | 0.50 | wt% |
| | 201-074-9 | | 1 | | |
| | - | | 1 | | |
| | 01-2119486799-10 | | | | |
| 6 | 1,2-benzisothiazol- | 3(2H)-one | pls. re | efer to footnote (1) | |

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| | 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% |
|---|---|--|---|------|-----|
| 7 | pyridine-2-thiol 1 | -oxide, sodium salt | | | |
| | 3811-73-2 223-296-5 613-344-00-7 - | EUH070 Acute Tox. 4; H302 Acute Tox. 3; H311 Acute Tox. 3; H331 Skin Irrit. 2; H315 Skin Sens. 1; H317 Eye Irrit. 2; H319 STOT RE 1; H372 Aquatic Acute 1; H400 Aquatic Chronic 2; H411 | < | 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 | - | - | - |
| 4 | - | - | M = 1 | M = 1 |
| 6 | - | Skin Sens. 1; H317: C >= 0.05% | - | - |
| 7 | - | - | M = 100 | - |

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; -; - |
| 7 | H372 |
| | -; nervous system; - |

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.

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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

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]/[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. 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

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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 | 13463-67-7 | | 236-675-5 |
| | more of particles with aerodynamic diameter ≤ 10 | | | |
| | μm] | | | |
| | 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 | 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/m³ |
| 2 | zinc oxide | | | 1314-13-2 215-222-5 | |
| | dermal | Long term (chronic) | systemic | 83 | mg/kg/day |
| | with reference to: Zn Comments: insoluble | | | | |
| | inhalative | Long term (chronic) | systemic | 5 | mg/m³ |
| | with reference to: Zn Comments: insoluble | | | | |
| | inhalative | Long term (chronic) | local | 0.5 | mg/m³ |
| | with reference to: Zn Comments: insoluble | | | | |
| 3 | 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/m³ |

DNEL value (consumer)

| No | Substance name | | | CAS / EC no | |
|----|--|---------------------|----------|-------------------------|-----------|
| | Route of exposure Exposure time Effect | | | Value | |
| 1 | 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 |
| 2 | zinc oxide | | | 1314-13-2 215-222-5 | |
| | oral | Long term (chronic) | systemic | 0.83 | mg/kg/day |

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| | with reference to: Zn Comments: insoluble | | | | |
|---|--|---------------------|----------|----------------------|-------------------|
| | dermal | Long term (chronic) | systemic | 83 | mg/kg/day |
| | with reference to: Zn Comments: insoluble | | | | |
| | inhalative | Long term (chronic) | systemic | 2.5 | mg/m³ |
| | with reference to: Zn Comments: insoluble | | | | |
| 3 | propylidynetrimethanol | | | 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 |

PNEC values

| No | Substance name | | CAS / EC | no |
|----|-----------------------------------|-----------------------|------------------------|---------------------|
| NU | ecological compartment | Туре | Value | 110 |
| 1 | trizinc bis(orthophosphate) | | 7779-90-0 231-944-3 | |
| | water | fresh water | 20.6 | µg/L |
| | water | marine water | 6.1 | µg/L |
| | water | fresh water sediment | 117.8 | mg/kg dry weight |
| | water | marine water sediment | 56.5 | mg/kg dry weight |
| | water | fresh water | 85 | µg/L |
| | water | marine water | 42.5 | µg/L |
| | water | fresh water sediment | 867.4 | mg/kg dry weight |
| | water | marine water sediment | 957.7 | mg/kg dry weight |
| | soil | - | 35.6 | mg/kg |
| | sewage treatment plant | - | 100 | µg/L |
| 2 | zinc oxide | | 1314-13-2 215-222-5 | |
| | water | fresh water | 20.6 | µg/L |
| | with reference to: Zn | | | |
| | water | marine water | 6.1 | µg/L |
| | with reference to: Zn | | | |
| | water | fresh water sediment | 117.8 | mg/kg |
| | water | marine water sediment | 56.5 | mg/kg |
| | with reference to: Zn, dry weight | | | |
| | soil | - | 35.6 | mg/kg |
| | with reference to: Zn, dry weight | | | |
| | sewage treatment plant | - | 100 | µg/L |

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)

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

| Appropriate Material | In case of st | nort-term contact / sp | lash protectior | n: nitrile |
|----------------------|---------------|------------------------|-----------------|------------|
| Material thickness | > | 0.4 | mm | |
| Breakthrough time | > | 120 | min | |
| Appropriate Material | In case of p | olonged exposure: r | itrile 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 | | 8.2 | - | 8.5 | |
| Boiling point / boiling range | | | | | |
| Value | appr. | | | 100 | ٦° |
| Melting point/freezing point | | | | | |
| No data available | | | | | |
| Decomposition temperature | | | | | |
| No data available | | | | | |
| Flash point | | | | | |
| Not applicable | | | | | |
| Ignition temperature | | | | | |
| No data available | | | | | |
| Oxidising properties | | | | | |
| Not applicable | | | | | |
| Flammability | | | | | |
| Not applicable | | | | | |
| Lower explosion limit | | | | | |
| No data available | | | | | |
| Upper explosion limit | | | | | |
| No data available | | | | | |
| Vapour pressure | | | | | |
| Value | < | | | 100 | hPa |



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|---|-----------------------------|----------------|----------------|-----------|------------|
| Reference temperature | | 50 | °C | | |
| Relative vapour density | | | | | |
| No data available | | | | | |
| Relative density | | | | | |
| No data available | | | | | |
| Density | | | | | |
| Value | 1.67 | - 1.69 | g/cm³ | | |
| Reference temperature | | 20 | °C | | |
| Method | DIN 51757 | | | | |
| Solubility in water | | | | | |
| Comments | miscible | | | | |
| Solubility | | | | | |
| No data available | | | | | |
| Partition coefficient n-octanol/water (log value | 0) | | | | |
| No Substance name | <i>s</i> j | CAS no. | | EC no. | |
| 1 titanium dioxide; [in powder form contain more of particles with aerodynamic diam μm] | ning 1 % or neter ≤ 10 | 13463-67-7 | | 236-675-5 | |
| Not applicable Source | ECHA | | | | |
| 2 propylidynetrimethanol | ECHA | 77-99-6 | | 201-074-9 | |
| log Pow | 1 | 11-00-0 | -0.47 | 201-014-0 | |
| Reference temperature | | | 26 | °C | |
| Method | OECD | | | | |
| Source | ECHA | | | | |
| Kinematic viscosity | | | | | |
| Value | 2500 | - 3000 | Pa*s | | |
| Reference temperature | B III - B A A | 20 | °C | | |
| Method | DIN 53019 | | | | |
| Solvent separation test | | | | | |
| Not applicable | | | | | |
| Particle characteristics | | | | | |
| No data available | | | | | |
| 0.2 Other information | | | | | |
| 9.2 Other information | | | | | _ |
| Other information No data available. | | | | | |
| | | | | |] |

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended storage and handling conditions (See section 7).

10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

10.3 Possibility of hazardous reactions

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

10.4 Conditions to avoid

Heat, naked flames and other ignition sources.

10.5 Incompatible materials

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

10.6 Hazardous decomposition products

None if stored, handled and transported properly. In case of fire: see section 5.

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SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

| IN() | Substance name | | CAS no. | | EC no. |
|---|--|---|--|-----------------------------|--|
| 1 | titanium dioxide; [in powder form con more of particles with aerodynamic d µm] | | 13463-67-7 | | 236-675-5 |
| LD5 | | > | | 2000 | mg/kg bodyweight |
| Spec | | rat | | 2000 | ing/kg bodywolgin |
| Meth | | OECD 401 | | | |
| Sour | | ECHA | | | |
| | uation/classification | - | ailable data. the | e classificati | on criteria are not met. |
| 2 | trizinc bis(orthophosphate) | | 7779-90-0 | | 231-944-3 |
| LD5 | | > | | 5000 | mg/kg bodyweight |
| Spec | | rat | | | |
| Neth | | OECD 401 | | | |
| Sour | ce | ECHA | | | |
| 3 | zinc oxide | | 1314-13-2 | | 215-222-5 |
| LD5 | | > | | 5000 | mg/kg bodyweight |
| Spec | | rat | | | 00,00 |
| Meth | | OECD 401 | | | |
| Sour | | ECHA | | | |
| 4 | propylidynetrimethanol | · | 77-99-6 | | 201-074-9 |
| LD5 | | | | 14700 | mg/kg bodyweight |
| Spec | | rat | | | 000,000 |
| Sour | | ECHA | | | |
| | | | | | |
| | te dermal toxicity | | | | |
| | Substance name | | CAS no. | | EC no. |
| 1 | zinc oxide | | 1314-13-2 | | 215-222-5 |
| LD5 | | > | | 2000 | mg/kg bodyweight |
| Spec | | rat | | | |
| Meth | | OECD 402 | | | |
| Sour | | ECHA | | | |
| | propylidynetrimethanol | | 77-99-6 | | 201-074-9 |
| LD5 | | > | | 10000 | mg/kg bodyweight |
| Spee | | rabbit | | | |
| Sour | rce | ECHA | | | |
| | | | | | |
| Δου | te inhalational toxicity | | | | |
| | te inhalational toxicity | | CAS no | | EC no |
| No | Substance name | taining 1 % or | CAS no. | | EC no. |
| No | Substance name titanium dioxide; [in powder form con | | CAS no. 13463-67-7 | | EC no. 236-675-5 |
| No | Substance name titanium dioxide; [in powder form con more of particles with aerodynamic d | | | | |
| <u>No</u> 1 | Substance name titanium dioxide; [in powder form con more of particles with aerodynamic d µm] | | | 5.09 | 236-675-5 |
| <u>No</u> 1 LC5(| Substance name titanium dioxide; [in powder form con more of particles with aerodynamic d µm] | | | 5.09 | 236-675-5 mg/l |
| No 1 LC5 Dura | Substance name titanium dioxide; [in powder form con more of particles with aerodynamic d µm] 0 ation of exposure | iameter ≤ 10 | | 5.09 4 | 236-675-5 |
| No 1 LC50 Dura State | Substance name titanium dioxide; [in powder form con more of particles with aerodynamic d µm] 0 attion of exposure e of aggregation | iameter ≤ 10 Dust | | | 236-675-5 mg/l |
| No 1 LC50 Dura State Spec | Substance name titanium dioxide; [in powder form con more of particles with aerodynamic d µm] 0 ation of exposure e of aggregation cies | iameter ≤ 10 Dust rat | | | 236-675-5 mg/l |
| No 1 LC50 Dura State Spec Meth | Substance name titanium dioxide; [in powder form con more of particles with aerodynamic d µm] 0 ation of exposure e of aggregation cies nod | iameter ≤ 10 Dust rat OECD 403 | | | 236-675-5 mg/l |
| No 1 LC50 Dura State Spec Meth Sour | Substance name titanium dioxide; [in powder form con more of particles with aerodynamic d µm] o ation of exposure e of aggregation cies nod rce | iameter ≤ 10 Dust rat OECD 403 ECHA | 13463-67-7 | 4 | 236-675-5 mg/l h |
| No 1 LC50 Dura State Spec Meth Sour Eval | Substance name titanium dioxide; [in powder form cor more of particles with aerodynamic d [µm] 0 ation of exposure e of aggregation cies nod rce uation/classification | iameter ≤ 10 Dust rat OECD 403 ECHA | 13463-67-7 ailable data, the | 4 | 236-675-5 mg/l h |
| No 1 LC50 Dura State Spec Meth Sour Eval 2 | Substance name titanium dioxide; [in powder form con more of particles with aerodynamic d µm] o ation of exposure e of aggregation cies nod rce uation/classification trizinc bis(orthophosphate) | iameter ≤ 10 Dust rat OECD 403 ECHA | 13463-67-7 | 4 | 236-675-5 mg/l h on criteria are not met. 231-944-3 |
| No 1 LC50 Dura State Spec Meth Sour Eval Eval LC50 | Substance name titanium dioxide; [in powder form con more of particles with aerodynamic d µm] o ation of exposure e of aggregation cies nod ce uation/classification trizinc bis(orthophosphate) o | iameter ≤ 10 Dust rat OECD 403 ECHA Based on av | 13463-67-7 ailable data, the | 4 e classificati 5.41 | 236-675-5 mg/l h |
| No 1 LC50 Dura State Spec Meth Sour Eval LC50 Dura | Substance name titanium dioxide; [in powder form con more of particles with aerodynamic d µm] 0 ation of exposure e of aggregation cies nod ce uation/classification trizinc bis(orthophosphate) 0 ation of exposure | iameter ≤ 10 Dust rat OECD 403 ECHA Based on av | 13463-67-7 ailable data, the | 4 | 236-675-5 mg/l h on criteria are not met. 231-944-3 mg/l |
| No 1 LC50 Dura State Spec Meth Sour Eval LC50 Dura State | Substance name titanium dioxide; [in powder form cor more of particles with aerodynamic d µm] 0 ation of exposure e of aggregation cies nod ce uation/classification trizinc bis(orthophosphate) 0 ation of exposure e of aggregation | iameter ≤ 10 Dust rat OECD 403 ECHA Based on av > Dust/mist | 13463-67-7 ailable data, the | 4 e classificati 5.41 | 236-675-5 mg/l h on criteria are not met. 231-944-3 mg/l |
| No 1 LC50 Dura State Spec Val Eval LC50 Dura State Spec | Substance name titanium dioxide; [in powder form cor more of particles with aerodynamic d µm] 0 ation of exposure e of aggregation cies nod ce uation/classification trizinc bis(orthophosphate) 0 ation of exposure e of aggregation cies | iameter ≤ 10 Dust rat OECD 403 ECHA Based on av > Dust/mist rat | 13463-67-7 ailable data, the | 4 e classificati 5.41 | 236-675-5 mg/l h on criteria are not met. 231-944-3 mg/l |
| No 1 LC50 Dura State Spec Meth Sour Eval LC50 Dura State Spec Meth | Substance name titanium dioxide; [in powder form cor more of particles with aerodynamic d µm] 0 ation of exposure e of aggregation cies nod tree uation/classification trizinc bis(orthophosphate) 0 ation of exposure e of aggregation cies nod | iameter ≤ 10 Dust rat OECD 403 ECHA Based on av > Dust/mist rat OECD 403 | 13463-67-7 ailable data, the | 4 e classificati 5.41 | 236-675-5 mg/l h on criteria are not met. 231-944-3 mg/l |
| No 1 LC50 Dura State Spec Meth Soura State Spec Meth Soura | Substance name titanium dioxide; [in powder form cor more of particles with aerodynamic d [µm] 0 ation of exposure e of aggregation cies nod rce uation/classification trizinc bis(orthophosphate) 0 ation of exposure e of aggregation cies nod ce ation of exposure e of aggregation cies nod ce | iameter ≤ 10 Dust rat OECD 403 ECHA Based on av > Dust/mist rat | 13463-67-7 ailable data, the 7779-90-0 | 4 e classificati 5.41 | 236-675-5 mg/l h on criteria are not met. 231-944-3 mg/l h |
| No 1 LC50 Dura State Spec Meth Sour Eval LC50 Dura State Spec Meth | Substance name titanium dioxide; [in powder form cor more of particles with aerodynamic d µm] 0 ation of exposure e of aggregation cies nod tree uation/classification trizinc bis(orthophosphate) 0 ation of exposure e of aggregation cies nod ce zinc oxide | iameter ≤ 10 Dust rat OECD 403 ECHA Based on av > Dust/mist rat OECD 403 | 13463-67-7 ailable data, the | 4 e classificati 5.41 | 236-675-5 mg/l h on criteria are not met. 231-944-3 mg/l |





Product no.: 0071544

| | te of aggregation | Dust/mist | | |
|---|--|---|--|--|
| | ecies | rat | | |
| | hod | OECD 403 | | |
| Sou | | ECHA | | |
| - | n corrosion/irritation | | 0.1.0 | |
| - | Substance name | | CAS no. | EC no. 236-675-5 |
| 1 | titanium dioxide; [in powder form more of particles with aerodynami μm] | | 13463-67-7 | 236-675-5 |
| Spe | ecies | rabbit | | |
| | hod | OECD 404 | | |
| Sou | | ECHA | | |
| | luation | non-irritant | | |
| | luation/classification | Based on av | , | sification criteria are not met. |
| 2 | trizinc bis(orthophosphate) | | 7779-90-0 | 231-944-3 |
| | ecies | rabbit | | |
| | hod | OECD 404 | 4 | |
| Sou | | ECHA / Rea | a across | |
| | luation | non-irritant | 1214 42 0 | 245,222 F |
| <u>3</u> Sno | zinc oxide | rabbit | 1314-13-2 | 215-222-5 |
| | hod | OECD 404 | | |
| Sou | | ECHA | | |
| | luation | non-irritant | | |
| 4 | propylidynetrimethanol | | 77-99-6 | 201-074-9 |
| | ecies | rabbit | | |
| Sou | | ECHA | | |
| Eva | luation | non-irritant | | |
| S~ | ious eye damage/irritation | | | |
| - PHI | | | | |
| | | | CAS no | EC no |
| No | Substance name | containing 1 % or | CAS no. 13463-67-7 | EC no. 236-675-5 |
| No | | | CAS no. 13463-67-7 | EC no. 236-675-5 |
| No 1 Spe | Substance name titanium dioxide; [in powder form more of particles with aerodynami µm] ecies | ic diameter ≤ 10 rabbit | | |
| No 1 Spe Metl | Substance name titanium dioxide; [in powder form more of particles with aerodynami µm] ecies hod | ic diameter ≤ 10 rabbit OECD 405 | | |
| No 1 Spe Metl Sou | Substance name titanium dioxide; [in powder form more of particles with aerodynami µm] ecies thod urce | rabbit OECD 405 ECHA | | |
| No 1 Spe Metl Sou Eva | Substance name titanium dioxide; [in powder form more of particles with aerodynami µm] eccies thod irce iluation | rabbit OECD 405 ECHA non-irritant | 13463-67-7 | 236-675-5 |
| No 1 Spe Meti Sou Eva Eva | Substance name titanium dioxide; [in powder form more of particles with aerodynami µm] ecies thod irce iluation iluation/classification | rabbit OECD 405 ECHA non-irritant | 13463-67-7 /ailable data, the class | 236-675-5 |
| No 1 Spe Metl Sou Eva Eva Eva 2 | Substance name titanium dioxide; [in powder form more of particles with aerodynami µm] ecies shod irrce iluation iluation/classification trizinc bis(orthophosphate) | ic diameter ≤ 10 rabbit OECD 405 ECHA non-irritant Based on av | 13463-67-7 | 236-675-5 |
| No 1 Spe Metl Sou Eva Eva Eva Spe | Substance name titanium dioxide; [in powder form more of particles with aerodynami µm] ecies chod irrce iluation iluation/classification trizinc bis(orthophosphate) ecies | ic diameter ≤ 10 rabbit OECD 405 ECHA non-irritant Based on av rabbit | 13463-67-7 /ailable data, the class | 236-675-5 |
| No 1 Spe Metl Sou Eva Eva Spe Metl | Substance name titanium dioxide; [in powder form more of particles with aerodynami µm] ecies chod irrce iluation iluation/classification trizinc bis(orthophosphate) ecies hod | ic diameter ≤ 10 rabbit OECD 405 ECHA non-irritant Based on av rabbit OECD 405 | 13463-67-7 /ailable data, the class | 236-675-5 |
| No 1 Spe Metl Sou Eva Eva Eva Spe Spe Sou | Substance name titanium dioxide; [in powder form more of particles with aerodynami µm] pcies hod irrce iluation/classification trizinc bis(orthophosphate) pcies hod irrce iluation/classification trizinc bis(orthophosphate) pcies hod irrce | ic diameter ≤ 10 rabbit OECD 405 ECHA non-irritant Based on av rabbit OECD 405 ECHA | 13463-67-7 /ailable data, the class | 236-675-5 |
| No 1 Spe Metl Sou Eva Spe Spe Metl Sou Eva | Substance name titanium dioxide; [in powder form more of particles with aerodynami µm] acies hod irrce iluation iluation/classification trizinc bis(orthophosphate) acies hod iluation/classification trizinc bis(orthophosphate) acies hod irrce uluation | ic diameter ≤ 10 rabbit OECD 405 ECHA non-irritant Based on av rabbit OECD 405 | 13463-67-7 vailable data, the class 7779-90-0 | 236-675-5 sification criteria are not met. 231-944-3 |
| No Spe Metl Sou Eva Eva Spe Spe Sou Eva 3 | Substance name titanium dioxide; [in powder form more of particles with aerodynami µm] acies hod irrce iluation iluation/classification trizinc bis(orthophosphate) acies hod irrce iluation/classification trizinc bis(orthophosphate) acies hod irrce iluation iluation irrce iluation | ic diameter ≤ 10 rabbit OECD 405 ECHA non-irritant Based on av rabbit OECD 405 ECHA non-irritant | 13463-67-7 /ailable data, the class | 236-675-5 |
| No Spe Metl Sou Eva Spe Metl Sou Eva Spe Metl Sou Eva Spe Metl Sou Spe Spe Spe | Substance name titanium dioxide; [in powder form more of particles with aerodynami µm] acies hod irrce iluation iluation/classification trizinc bis(orthophosphate) acies hod irrce iluation/classification trizinc bis(orthophosphate) acies hod irrce iluation acies hod irrce iluation acies | ic diameter ≤ 10 rabbit OECD 405 ECHA non-irritant Based on av rabbit OECD 405 ECHA non-irritant rabbit | 13463-67-7 vailable data, the class 7779-90-0 | 236-675-5 sification criteria are not met. 231-944-3 |
| No Spe Metl Sou Eva Eva Spe Metl Sou Eva Spe Spe Metl | Substance name titanium dioxide; [in powder form more of particles with aerodynami µm] cies hod irrce iluation iluation/classification trizinc bis(orthophosphate) ecies hod iluation/classification trizinc bis(orthophosphate) ecies hod irrce iluation zinc oxide ecies hod | ic diameter ≤ 10 rabbit OECD 405 ECHA non-irritant Based on av rabbit OECD 405 ECHA non-irritant rabbit OECD 405 | 13463-67-7 vailable data, the class 7779-90-0 | 236-675-5 sification criteria are not met. 231-944-3 |
| No Spe Metl Sou Eva Eva Spe Metl Sou Eva Spe Metl Sou | Substance name titanium dioxide; [in powder form more of particles with aerodynami µm] cies hod irrce iluation iluation/classification trizinc bis(orthophosphate) ccies chod irrce iluation/classification trizinc bis(orthophosphate) ccies chod irrce iluation iluation trizinc bis(orthophosphate) ccies chod irrce iluation zinc oxide ccies chod irrce | ic diameter ≤ 10 rabbit OECD 405 ECHA non-irritant Based on av rabbit OECD 405 ECHA non-irritant ECHA rabbit OECD 405 ECHA | 13463-67-7 vailable data, the class 7779-90-0 | 236-675-5 sification criteria are not met. 231-944-3 |
| No Spe Metl Sou Eva Spe Metl Sou Eva Spe Metl Sou Eva Spe Metl Sou Eva | Substance name titanium dioxide; [in powder form more of particles with aerodynami µm] cies hod irrce iluation iluation/classification trizinc bis(orthophosphate) ccies chod irrce iluation/classification trizinc bis(orthophosphate) ccies chod irrce iluation iluation irrce iluation iluation irrce iluation iluation | ic diameter ≤ 10 rabbit OECD 405 ECHA non-irritant Based on av rabbit OECD 405 ECHA non-irritant rabbit OECD 405 | 13463-67-7 /ailable data, the class 7779-90-0 1314-13-2 | 236-675-5 sification criteria are not met. 231-944-3 215-222-5 |
| No Spe Metil Sou Eval Eval Spe Metil Sou Eval Spe Metil Sou Eval A | Substance name titanium dioxide; [in powder form more of particles with aerodynami µm] acies hod irce iluation iluation/classification trizinc bis(orthophosphate) acies scies thod irce iluation/classification trizinc bis(orthophosphate) acies thod irce iluation zinc oxide acies hod irce uluation propylidynetrimethanol | ic diameter ≤ 10 rabbit OECD 405 ECHA non-irritant Based on av rabbit OECD 405 ECHA non-irritant CECD 405 ECHA non-irritant | 13463-67-7 vailable data, the class 7779-90-0 | 236-675-5 sification criteria are not met. 231-944-3 |
| No Spe Metil Sou Eval Eval Spe Metil Sou Eval Spe Metil Sou Eval A | Substance name titanium dioxide; [in powder form more of particles with aerodynami µm] ecies hod irce iluation iluation/classification trizinc bis(orthophosphate) ecies scies hod irce iluation/classification trizinc bis(orthophosphate) ecies scies hod irce iluation zinc oxide ecies hod irce iluation propylidynetrimethanol ecies | ic diameter ≤ 10 rabbit OECD 405 ECHA non-irritant Based on av rabbit OECD 405 ECHA non-irritant ECHA rabbit OECD 405 ECHA | 13463-67-7 /ailable data, the class 7779-90-0 1314-13-2 | 236-675-5 sification criteria are not met. 231-944-3 215-222-5 |
| No Spe Metl Sou Eval Sou Eval Sou Eval Sou Eval Sou Eval Sou Eval Sou Eval Sou Spe Metl Sou Sou Eval Sou Sou Sou Sou Sou Sou Sou Sou | Substance name titanium dioxide; [in powder form more of particles with aerodynami µm] ecies hod irce iluation iluation/classification trizinc bis(orthophosphate) ecies scies hod irce iluation/classification trizinc bis(orthophosphate) ecies scies hod irce iluation zinc oxide ecies hod irce iluation propylidynetrimethanol ecies | ic diameter ≤ 10 rabbit OECD 405 ECHA non-irritant Based on av rabbit OECD 405 ECHA non-irritant rabbit OECD 405 ECHA non-irritant CECD 405 ECHA non-irritant | 13463-67-7 /ailable data, the class 7779-90-0 1314-13-2 | 236-675-5 sification criteria are not met. 231-944-3 215-222-5 |
| No Spee Mettl Sou Eval Spee Mettl Sou Eval Speetl Sou Eval Speetl Sou Eval Speetl Sou Eval | Substance name titanium dioxide; [in powder form more of particles with aerodynami µm] ecies thod trce uluation uluation/classification trizinc bis(orthophosphate) ecies thod trce uluation zinc oxide ecies hod irce uluation propylidynetrimethanol ecies ince uluation | ic diameter ≤ 10 rabbit OECD 405 ECHA non-irritant Based on av rabbit OECD 405 ECHA non-irritant rabbit OECD 405 ECHA non-irritant rabbit OECD 405 ECHA non-irritant | 13463-67-7 /ailable data, the class 7779-90-0 1314-13-2 | 236-675-5 sification criteria are not met. 231-944-3 215-222-5 |
| No Spee Mettl Sou Eval Sou Eval Sou Eval Sou Eval Spee Res | Substance name titanium dioxide; [in powder form more of particles with aerodynami µm] ecies chod arce aluation aluation aluation aluation aluation/classification trizinc bis(orthophosphate) ecies chod arce aluation zinc oxide ecies chod arce aluation zinc oxide ecies chod arce aluation propylidynetrimethanol ecies aluation propylidynetrimethanol acies arce aluation | ic diameter ≤ 10 rabbit OECD 405 ECHA non-irritant Based on av rabbit OECD 405 ECHA non-irritant rabbit OECD 405 ECHA non-irritant rabbit OECD 405 ECHA non-irritant | 13463-67-7 /ailable data, the class 7779-90-0 1314-13-2 77-99-6 | 236-675-5 sification criteria are not met. 231-944-3 215-222-5 201-074-9 |
| No Spe Metl Sou Eval Sou Sou Sou Sou Sou Sou Sou Sou | Substance name titanium dioxide; [in powder form more of particles with aerodynami µm] ecies chod arce aluation aluation aluation aluation aluation aluation trizinc bis(orthophosphate) ccies chod arce aluation zinc oxide ccies chod arce aluation zinc oxide ccies chod arce aluation propylidynetrimethanol accies aluation propylidynetrimethanol accies arce aluation substance name | ic diameter ≤ 10 rabbit OECD 405 ECHA non-irritant Based on av rabbit OECD 405 ECHA non-irritant rabbit OECD 405 ECHA non-irritant rabbit OECD 405 ECHA non-irritant | 13463-67-7 /ailable data, the class 7779-90-0 1314-13-2 77-99-6 CAS no. | 236-675-5 sification criteria are not met. 231-944-3 215-222-5 201-074-9 EC no. |
| No Spee Mettl Sou Eval Sou Eval Sou Eval Sou Eval Spee Res | Substance name titanium dioxide; [in powder form more of particles with aerodynami µm] ecies chod arce aluation aluation aluation aluation aluation aluation aluation aluation trizinc bis(orthophosphate) ecies chod arce aluation zinc oxide ecies chod arce aluation zinc oxide ecies chod arce aluation propylidynetrimethanol ecies aluation propylidynetrimethanol acies arce aluation propylidynetrimethanol acies arce aluation becies arce arce aluation becies | ic diameter ≤ 10 rabbit OECD 405 ECHA non-irritant Based on av rabbit OECD 405 ECHA non-irritant rabbit OECD 405 ECHA non-irritant rabbit OECD 405 ECHA non-irritant rabbit OECD 405 ECHA non-irritant | 13463-67-7 /ailable data, the class 7779-90-0 1314-13-2 77-99-6 | 236-675-5 sification criteria are not met. 231-944-3 215-222-5 201-074-9 |
| No Spee Mettl Sou Eval Sou Sou Sou Sou Sou Eval Sou Sou Sou Sou Sou Sou Sou Sou | Substance name titanium dioxide; [in powder form more of particles with aerodynami µm] ecies chod arce aluation zinc oxide accies chod arce aluation zinc oxide accies chod arce aluation propylidynetrimethanol accies aluation propylidynetrimethanol accies arce aluation spiratory or skin sensitisation Substance name titanium dioxide; [in powder form more of particles with aerodynami | ic diameter ≤ 10 rabbit OECD 405 ECHA non-irritant Based on av rabbit OECD 405 ECHA non-irritant rabbit OECD 405 ECHA non-irritant rabbit OECD 405 ECHA non-irritant rabbit OECD 405 ECHA non-irritant | 13463-67-7 /ailable data, the class 7779-90-0 1314-13-2 77-99-6 CAS no. | 236-675-5 sification criteria are not met. 231-944-3 215-222-5 201-074-9 EC no. |



Product no.: 0071544

Current version : 4.3.0, issued: 03.01.2024

Region: GB

| Source | ECHA |
|---|---|
| Evaluation | non-sensitizing |
| Evaluation/classification | Based on available data, the classification criteria are not met. |
| 2 trizinc bis(orthophosphate) | 7779-90-0 231-944-3 |
| Route of exposure | Skin |
| Species | guinea pig |
| Source | ECHA / Read across |
| Evaluation | non-sensitizing |
| 3 zinc oxide | 1314-13-2 215-222-5 |
| Route of exposure | respiratory tract |
| Source | ECHA |
| Evaluation | non-sensitizing |
| Evaluation/classification | Based on available data, the classification criteria are not met. |
| Route of exposure | Skin |
| Species | Guinea pig |
| Method Source | OECD 406 ECHA |
| Evaluation | non-sensitizing |
| Evaluation/classification | Based on available data, the classification criteria are not met. |
| 4 propylidynetrimethanol | 77-99-6 201-074-9 |
| Route of exposure | Skin |
| Species | mouse |
| Method | OECD 429 |
| Source | ECHA |
| Evaluation | non-sensitizing |
| | |
| Germ cell mutagenicity | 640 |
| No Substance name | CAS no. EC no. |
| 1 titanium dioxide; [in powder form con | |
| more of particles with aerodynamic di | lameter 5 10 |
| lum | |
| μm] Type of examination | In vitro mammalian cytogenicity |
| Type of examination | In vitro mammalian cytogenicity OECD 487 |
| | In vitro mammalian cytogenicity OECD 487 ECHA |
| Type of examination Method | OECD 487 ECHA |
| Type of examination Method Source | OECD 487 |
| Type of examination Method Source Evaluation/classification | OECD 487 ECHA Based on available data, the classification criteria are not met. |
| Type of examination Method Source Evaluation/classification Route of exposure | OECD 487 ECHA Based on available data, the classification criteria are not met. oral |
| Type of examination Method Source Evaluation/classification Route of exposure Type of examination Species | OECD 487 ECHA Based on available data, the classification criteria are not met. oral In vivo mammalian somatic cell study: cytogenicity / erythrocyte micronucleus rat |
| Type of examination Method Source Evaluation/classification Route of exposure Type of examination Species Method | OECD 487 ECHA Based on available data, the classification criteria are not met. oral In vivo mammalian somatic cell study: cytogenicity / erythrocyte micronucleus rat OECD 474 |
| Type of examination Method Source Evaluation/classification Route of exposure Type of examination Species Method Source | OECD 487 ECHA Based on available data, the classification criteria are not met. oral In vivo mammalian somatic cell study: cytogenicity / erythrocyte micronucleus rat OECD 474 ECHA |
| Type of examination Method Source Evaluation/classification Route of exposure Type of examination Species Method Source Evaluation/classification | OECD 487 ECHA Based on available data, the classification criteria are not met. oral In vivo mammalian somatic cell study: cytogenicity / erythrocyte micronucleus rat OECD 474 ECHA Based on available data, the classification criteria are not met. |
| Type of examination Method Source Evaluation/classification Route of exposure Type of examination Species Method Source Evaluation/classification 2 propylidynetrimethanol | OECD 487 ECHA Based on available data, the classification criteria are not met. oral In vivo mammalian somatic cell study: cytogenicity / erythrocyte micronucleus rat OECD 474 ECHA Based on available data, the classification criteria are not met. 77-99-6 201-074-9 |
| Type of examination Method Source Evaluation/classification Route of exposure Type of examination Species Method Source Evaluation/classification Species Method Source Evaluation/classification 2 propylidynetrimethanol Type of examination | OECD 487 ECHA Based on available data, the classification criteria are not met. oral In vivo mammalian somatic cell study: cytogenicity / erythrocyte micronucleus rat OECD 474 ECHA Based on available data, the classification criteria are not met. 77-99-6 201-074-9 in vitro gene mutation study in bacteria |
| Type of examination Method Source Evaluation/classification Route of exposure Type of examination Species Method Source Evaluation/classification 2 propylidynetrimethanol | OECD 487 ECHA Based on available data, the classification criteria are not met. oral In vivo mammalian somatic cell study: cytogenicity / erythrocyte micronucleus rat OECD 474 ECHA Based on available data, the classification criteria are not met. 77-99-6 201-074-9 in vitro gene mutation study in bacteria Salmonella typhimurium: TA 1535, TA 1537, TA 98, TA 100; |
| Type of examination Method Source Evaluation/classification Route of exposure Type of examination Species Method Source Evaluation/classification 2 propylidynetrimethanol Type of examination | OECD 487 ECHA Based on available data, the classification criteria are not met. oral In vivo mammalian somatic cell study: cytogenicity / erythrocyte micronucleus rat OECD 474 ECHA Based on available data, the classification criteria are not met. 77-99-6 201-074-9 in vitro gene mutation study in bacteria Salmonella typhimurium: TA 1535, TA 1537, TA 98, TA 100; Escherichia coli WP2 uvrA |
| Type of examination Method Source Evaluation/classification Route of exposure Type of examination Species Method Source Evaluation/classification 2 propylidynetrimethanol Type of examination Species Method | OECD 487 ECHA Based on available data, the classification criteria are not met. oral In vivo mammalian somatic cell study: cytogenicity / erythrocyte micronucleus rat OECD 474 ECHA Based on available data, the classification criteria are not met. 77-99-6 201-074-9 in vitro gene mutation study in bacteria Salmonella typhimurium: TA 1535, TA 1537, TA 98, TA 100; Escherichia coli WP2 uvrA OECD 471 |
| Type of examination Method Source Evaluation/classification Route of exposure Type of examination Species Method Source Evaluation/classification 2 propylidynetrimethanol Type of examination Species Method Source Evaluation/classification | OECD 487 ECHA Based on available data, the classification criteria are not met. oral In vivo mammalian somatic cell study: cytogenicity / erythrocyte micronucleus rat OECD 474 ECHA Based on available data, the classification criteria are not met. 77-99-6 201-074-9 in vitro gene mutation study in bacteria Salmonella typhimurium: TA 1535, TA 1537, TA 98, TA 100; Escherichia coli WP2 uvrA OECD 471 ECHA |
| Type of examination Method Source Evaluation/classification Route of exposure Type of examination Species Method Source Evaluation/classification 2 propylidynetrimethanol Type of examination Species Method Source Evaluation/classification Method Method | OECD 487 ECHA Based on available data, the classification criteria are not met. oral In vivo mammalian somatic cell study: cytogenicity / erythrocyte micronucleus rat OECD 474 ECHA Based on available data, the classification criteria are not met. 77-99-6 201-074-9 in vitro gene mutation study in bacteria Salmonella typhimurium: TA 1535, TA 1537, TA 98, TA 100; Escherichia coli WP2 uvrA OECD 471 |
| Type of examination Method Source Evaluation/classification Route of exposure Type of examination Species Method Source Evaluation/classification 2 propylidynetrimethanol Type of examination Species Method Source Evaluation/classification Method Species Method Source Evaluation/classification Reproduction toxicity | OECD 487 ECHA Based on available data, the classification criteria are not met. oral In vivo mammalian somatic cell study: cytogenicity / erythrocyte micronucleus rat OECD 474 ECHA Based on available data, the classification criteria are not met. 77-99-6 201-074-9 in vitro gene mutation study in bacteria Salmonella typhimurium: TA 1535, TA 1537, TA 98, TA 100; Escherichia coli WP2 uvrA OECD 471 ECHA Based on available data, the classification criteria are not met. |
| Type of examination Method Source Evaluation/classification Route of exposure Type of examination Species Method Source Evaluation/classification 2 propylidynetrimethanol Type of examination Species Method Source Evaluation/classification Xpe of examination Species Method Source Evaluation/classification Reproduction toxicity No Substance name | OECD 487 ECHA Based on available data, the classification criteria are not met. oral In vivo mammalian somatic cell study: cytogenicity / erythrocyte micronucleus rat OECD 474 ECHA Based on available data, the classification criteria are not met. 77-99-6 201-074-9 in vitro gene mutation study in bacteria Salmonella typhimurium: TA 1535, TA 1537, TA 98, TA 100; Escherichia coli WP2 uvrA OECD 471 ECHA Based on available data, the classification criteria are not met. |
| Type of examination Method Source Evaluation/classification Route of exposure Type of examination Species Method Source Evaluation/classification 2 propylidynetrimethanol Type of examination Species Method Source Evaluation/classification Species Method Source Evaluation/classification Species Method Source Evaluation/classification Reproduction toxicity No Substance name 1 titanium dioxide; [in powder form con | OECD 487 ECHA Based on available data, the classification criteria are not met. oral In vivo mammalian somatic cell study: cytogenicity / erythrocyte micronucleus rat OECD 474 ECHA Based on available data, the classification criteria are not met. 77-99-6 201-074-9 in vitro gene mutation study in bacteria Salmonella typhimurium: TA 1535, TA 1537, TA 98, TA 100; Escherichia coli WP2 uvrA OECD 471 ECHA Based on available data, the classification criteria are not met. |
| Type of examination Method Source Evaluation/classification Route of exposure Type of examination Species Method Source Evaluation/classification 2 propylidynetrimethanol Type of examination Species Method Source Evaluation/classification Xpe of examination Species Method Source Evaluation/classification Reproduction toxicity No Substance name 1 titanium dioxide; [in powder form con more of particles with aerodynamic di | OECD 487 ECHA Based on available data, the classification criteria are not met. oral In vivo mammalian somatic cell study: cytogenicity / erythrocyte micronucleus rat OECD 474 ECHA Based on available data, the classification criteria are not met. 77-99-6 201-074-9 in vitro gene mutation study in bacteria Salmonella typhimurium: TA 1535, TA 1537, TA 98, TA 100; Escherichia coli WP2 uvrA OECD 471 ECHA Based on available data, the classification criteria are not met. |
| Type of examination Method Source Evaluation/classification Route of exposure Type of examination Species Method Source Evaluation/classification 2 propylidynetrimethanol Type of examination Species Method Source Evaluation/classification Xpe of examination Species Method Source Evaluation/classification Species Method Source Evaluation/classification Reproduction toxicity No Substance name 1 titanium dioxide; [in powder form con more of particles with aerodynamic di µm] | OECD 487 ECHA Based on available data, the classification criteria are not met. oral In vivo mammalian somatic cell study: cytogenicity / erythrocyte micronucleus rat OECD 474 ECHA Based on available data, the classification criteria are not met. 77-99-6 201-074-9 in vitro gene mutation study in bacteria Salmonella typhimurium: TA 1535, TA 1537, TA 98, TA 100; Escherichia coli WP2 uvrA OECD 471 ECHA Based on available data, the classification criteria are not met. |
| Type of examination Method Source Evaluation/classification Route of exposure Type of examination Species Method Source Evaluation/classification 2 propylidynetrimethanol Type of examination Species Method Source Evaluation/classification Xpecies Method Source Evaluation/classification Xpecies Method Source Evaluation/classification Reproduction toxicity No Substance name 1 titanium dioxide; [in powder form con more of particles with aerodynamic di µm] Route of exposure | OECD 487 ECHA Based on available data, the classification criteria are not met. oral In vivo mammalian somatic cell study: cytogenicity / erythrocyte micronucleus rat OECD 474 ECHA Based on available data, the classification criteria are not met. 77-99-6 201-074-9 in vitro gene mutation study in bacteria Salmonella typhimurium: TA 1535, TA 1537, TA 98, TA 100; Escherichia coli WP2 uvrA OECD 471 ECHA Based on available data, the classification criteria are not met. |
| Type of examination Method Source Evaluation/classification Route of exposure Type of examination Species Method Source Evaluation/classification 2 propylidynetrimethanol Type of examination Species Method Source Evaluation/classification Xpecies Method Source Evaluation/classification Source Evaluation/classification Reproduction toxicity No Substance name 1 titanium dioxide; [in powder form con more of particles with aerodynamic di µm] Route of exposure NOAEL | OECD 487 ECHA Based on available data, the classification criteria are not met. oral In vivo mammalian somatic cell study: cytogenicity / erythrocyte micronucleus rat OECD 474 ECHA Based on available data, the classification criteria are not met. 77-99-6 201-074-9 in vitro gene mutation study in bacteria Salmonella typhimurium: TA 1535, TA 1537, TA 98, TA 100; Escherichia coli WP2 uvrA OECD 471 ECHA Based on available data, the classification criteria are not met. CAS no. EC no. mtaining 1 % or 13463-67-7 iameter ≤ 10 oral >= 1000 mg/kg bw/d |
| Type of examination Method Source Evaluation/classification Route of exposure Type of examination Species Method Source Evaluation/classification 2 propylidynetrimethanol Type of examination Species Method Source Evaluation/classification X Method Source Evaluation/classification Reproduction toxicity No Substance name 1 titanium dioxide; [in powder form con more of particles with aerodynamic di µm] Route of exposure NOAEL Type of examination | OECD 487 ECHA Based on available data, the classification criteria are not met. oral In vivo mammalian somatic cell study: cytogenicity / erythrocyte micronucleus rat OECD 474 ECHA Based on available data, the classification criteria are not met. 77-99-6 201-074-9 in vitro gene mutation study in bacteria Salmonella typhimurium: TA 1535, TA 1537, TA 98, TA 100; Escherichia coli WP2 uvrA OECD 471 ECHA Based on available data, the classification criteria are not met. OECD 471 ECHA Based on available data, the classification criteria are not met. OECD 471 ECHA Based on available data, the classification criteria are not met. Oral |
| Type of examination Method Source Evaluation/classification Route of exposure Type of examination Species Method Source Evaluation/classification 2 propylidynetrimethanol Type of examination Species Method Source Evaluation/classification X Image: the system of examination Species Method Source Evaluation/classification Reproduction toxicity No Substance name 1 titanium dioxide; [in powder form con more of particles with aerodynamic di µm] Route of exposure NOAEL Type of examination Species | OECD 487 ECHA Based on available data, the classification criteria are not met. oral In vivo mammalian somatic cell study: cytogenicity / erythrocyte micronucleus rat OECD 474 ECHA Based on available data, the classification criteria are not met. 77-99-6 201-074-9 in vitro gene mutation study in bacteria Salmonella typhimurium: TA 1535, TA 1537, TA 98, TA 100; Escherichia coli WP2 uvrA OECD 471 ECHA Based on available data, the classification criteria are not met. OECD 471 ECHA Based on available data, the classification criteria are not met. OECD 471 ECHA Based on available data, the classification criteria are not met. CAS no. EC no. ttaining 1 % or 13463-67-7 236-675-5 iameter ≤ 10 oral >= 1000 mg/kg bw/d Reproductive studies - one generation rat rat |
| Type of examination Method Source Evaluation/classification Route of exposure Type of examination Species Method Source Evaluation/classification 2 propylidynetrimethanol Type of examination Species Method Source Evaluation/classification X Image: propylidynetrimethanol Type of examination Species Method Source Evaluation/classification Reproduction toxicity No Substance name 1 titanium dioxide; [in powder form con more of particles with aerodynamic di µm] Route of exposure NOAEL Type of examination Species Method | OECD 487 ECHA Based on available data, the classification criteria are not met. oral In vivo mammalian somatic cell study: cytogenicity / erythrocyte micronucleus rat OECD 474 ECHA Based on available data, the classification criteria are not met. 0ECD 474 ECHA Based on available data, the classification criteria are not met. 77-99-6 201-074-9 in vitro gene mutation study in bacteria Salmonella typhimurium: TA 1535, TA 1537, TA 98, TA 100; Escherichia coli WP2 uvrA OECD 471 ECHA Based on available data, the classification criteria are not met. CAS no. EC no. ntaining 1 % or 13463-67-7 iameter ≤ 10 236-675-5 iameter ≤ 10 mg/kg bw/d |
| Type of examination Method Source Evaluation/classification Route of exposure Type of examination Species Method Source Evaluation/classification 2 propylidynetrimethanol Type of examination Species Method Source Evaluation/classification Z propylidynetrimethanol Type of examination Species Method Source Evaluation/classification Reproduction toxicity No Substance name 1 titanium dioxide; [in powder form con more of particles with aerodynamic di µm] Route of exposure NOAEL Type of examination Species Method Source | OECD 487 ECHA Based on available data, the classification criteria are not met.oralIn vivo mammalian somatic cell study: cytogenicity / erythrocyte micronucleus rat OECD 474 ECHA Based on available data, the classification criteria are not met. $77.99.6$ 201-074-9in vitro gene mutation study in bacteria Salmonella typhimurium: TA 1535, TA 1537, TA 98, TA 100; Escherichia coli WP2 uvrA OECD 471 ECHA Based on available data, the classification criteria are not met.CAS no.EC no.ntaining 1 % or13463-67-7 iameter ≤ 10oral>=1000mg/kg bw/d Reproductive studies - one generation rat OECD 443 ECHA |
| Type of examination Method Source Evaluation/classification Route of exposure Type of examination Species Method Source Evaluation/classification 2 propylidynetrimethanol Type of examination Species Method Source Evaluation/classification Z propylidynetrimethanol Type of examination Species Method Source Evaluation/classification Reproduction toxicity No Substance name 1 titanium dioxide; [in powder form con more of particles with aerodynamic di µm] Route of exposure NOAEL Type of examination Species Method | OECD 487 ECHA Based on available data, the classification criteria are not met. oral In vivo mammalian somatic cell study: cytogenicity / erythrocyte micronucleus rat OECD 474 ECHA Based on available data, the classification criteria are not met. 0ECD 474 ECHA Based on available data, the classification criteria are not met. 77-99-6 201-074-9 in vitro gene mutation study in bacteria Salmonella typhimurium: TA 1535, TA 1537, TA 98, TA 100; Escherichia coli WP2 uvrA OECD 471 ECHA Based on available data, the classification criteria are not met. CAS no. EC no. ntaining 1 % or 13463-67-7 iameter ≤ 10 236-675-5 iameter ≤ 10 mg/kg bw/d |

Replaced version: 4.2.0, issued: 03.07.2023

Product no.: 0071544

 Current version : 4.3.0, issued: 03.01.2024
 Replaced version: 4.2.0, issued: 03.07.2023
 Region: GB

| NOP | EL | | 1000 | mg/kg bw/d |
|--|--|---|--------------------------|--|
| Туре | of examination | Prenatal Developmental | Toxicity Study | |
| Spec | | rat | | |
| Meth | od | OECD 414 | | |
| Sour | | ECHA | | |
| | uation/classification | Based on available data, | the classificatio | |
| | propylidynetrimethanol | 77-99-6 | | 201-074-9 |
| | e of exposure | oral | | |
| NOA | | | 2200 | ppm |
| | tion of exposure | | 19 | week/s |
| Spec | | rats (male/female) | | |
| Meth | | OECD 443 | | |
| Sour | ce | ECHA | | |
| Card | inogenicity | | | |
| | Substance name | CAS no. | | EC no. |
| 1 | titanium dioxide; [in powder form | | 7 | 236-675-5 |
| | more of particles with aerodynan | | | |
| | μm] | | | |
| Rout | e of exposure | oral | | |
| NOE | | | 7500 | mg/kg bw/d |
| Spec | | mouse | | 0.0 |
| Sour | | ECHA | | |
| Eval | uation/classification | Based on available data, | the classificatio | n criteria are not met. |
| No d | T - single exposure ata available T - repeated exposure | | | |
| No d STO No | ata available T - repeated exposure Substance name | CAS no. | | EC no. |
| No d STO | ata available T - repeated exposure Substance name titanium dioxide; [in powder form more of particles with aerodynan | containing 1 % or 13463-67- | 7 | EC no. 236-675-5 |
| No d STO No 1 | ata available T - repeated exposure Substance name titanium dioxide; [in powder form more of particles with aerodynan μm] | n containing 1 % or 13463-67- nic diameter ≤ 10 | 7 | - |
| No d STO No 1 Rout | ata available T - repeated exposure Substance name titanium dioxide; [in powder form more of particles with aerodynan µm] e of exposure | n containing 1 % or 13463-67- nic diameter ≤ 10 oral | | 236-675-5 |
| No d STO No 1 Rout | ata available T - repeated exposure Substance name titanium dioxide; [in powder form more of particles with aerodynan µm] e of exposure EL | a containing 1 % or 13463-67- nic diameter ≤ 10 oral > | 7 962 | - |
| No d STO No 1 Rout NOA Spec | ata available T - repeated exposure Substance name titanium dioxide; [in powder form more of particles with aerodynan µm] e of exposure EL cies | a containing 1 % or 13463-67- nic diameter ≤ 10 oral > rat | | 236-675-5 |
| No d STO No 1 Rout NOA Spec Meth | ata available T - repeated exposure Substance name titanium dioxide; [in powder form more of particles with aerodynan µm] e of exposure EL cies nod | a containing 1 % or 13463-67- nic diameter ≤ 10 oral > rat OECD 408 | | 236-675-5 |
| No d STO No 1 Rout NOA Spec Meth Sour | ata available T - repeated exposure Substance name titanium dioxide; [in powder form more of particles with aerodynan µm] e of exposure EL cies iod ce | a containing 1 % or 13463-67- nic diameter ≤ 10 oral > rat OECD 408 ECHA | 962 | 236-675-5 mg/kg bw/d |
| No d STO No 1 Rout NOA Spec Meth Sour Eval | ata available T - repeated exposure Substance name titanium dioxide; [in powder form more of particles with aerodynan µm] e of exposure EL cies iod ce uation/classification | a containing 1 % or 13463-67- nic diameter ≤ 10 oral > rat OECD 408 ECHA Based on available data, | 962 | 236-675-5 mg/kg bw/d |
| No d STO No 1 Rout Spec Meth Sour Eval Rout | ata available T - repeated exposure Substance name titanium dioxide; [in powder form more of particles with aerodynan µm] e of exposure EL cies iod ce uation/classification e of exposure | a containing 1 % or 13463-67- nic diameter ≤ 10 oral > rat OECD 408 ECHA | 962 | 236-675-5 mg/kg bw/d |
| No d STO No 1 Rout Spec Meth Sour Eval Rout Spec | ata available T - repeated exposure Substance name titanium dioxide; [in powder form more of particles with aerodynan µm] e of exposure EL cies iod ce uation/classification e of exposure cies | a containing 1 % or 13463-67- hic diameter ≤ 10 oral > rat OECD 408 ECHA Based on available data, inhalational | 962 | 236-675-5 mg/kg bw/d |
| No d STO No 1 Rout Spec Sour Spec Sour | ata available T - repeated exposure Substance name titanium dioxide; [in powder form more of particles with aerodynan µm] e of exposure EL cies iod ce uation/classification e of exposure cies | a containing 1 % or 13463-67- nic diameter ≤ 10 oral > rat OECD 408 ECHA Based on available data, inhalational rat | 962 the classificatio | 236-675-5 mg/kg bw/d n criteria are not met. |
| No d STO No 1 Rout NOA Spec Sour Eval Spec Sour Eval | ata available T - repeated exposure Substance name titanium dioxide; [in powder form more of particles with aerodynan µm] e of exposure EL cies nod ce uation/classification e of exposure cies ce uation/classification | a containing 1 % or 13463-67- hic diameter ≤ 10 oral rat OECD 408 ECHA Based on available data, inhalational rat ECHA | 962 the classificatio | 236-675-5 mg/kg bw/d n criteria are not met. |
| No d STO No 1 Rout NOA Spec Sour Eval Rout Spec Sour Eval Eval 2 | ata available T - repeated exposure Substance name titanium dioxide; [in powder form more of particles with aerodynan µm] e of exposure EL cies iod ce uation/classification e of exposure cies ce uation/classification propylidynetrimethanol | a containing 1 % or 13463-67- hic diameter ≤ 10 oral rat OECD 408 ECHA Based on available data, inhalational rat ECHA Based on available data, Based on available data, | 962 the classificatio | 236-675-5 mg/kg bw/d n criteria are not met. n criteria are not met. |
| No d STO No 1 Rout Spec Sour Eval Rout Eval Spec Sour Eval Rout 2 Rout | ata available T - repeated exposure Substance name titanium dioxide; [in powder form more of particles with aerodynan µm] e of exposure EL cies iod ce uation/classification e of exposure cies ce uation/classification propylidynetrimethanol e of exposure | a containing 1 % or nic diameter ≤ 10 13463-67- 13463-7- 13463-7- 13463-7- 13463-7- 13463-7- 13463-7- 13463-7- 1346-7- | 962 the classificatio | 236-675-5 mg/kg bw/d n criteria are not met. n criteria are not met. 201-074-9 |
| No d STO No 1 Rout Spec Sour Eval Eval Eval Eval Eval Rout NOA | ata available T - repeated exposure Substance name titanium dioxide; [in powder form more of particles with aerodynan µm] e of exposure EL cies iod ce uation/classification e of exposure cies ce uation/classification propylidynetrimethanol e of exposure | a containing 1 % or nic diameter ≤ 10 13463-67- 13463-7- 13463-7- 13463-7- 13463-7- 13463-7- 13463-7- 13463-7- 1346-7- | 962 the classificatio | 236-675-5 mg/kg bw/d n criteria are not met. n criteria are not met. |
| No d STO No 1 Rout NOA Spec Sour Eval Rout Spec Sour Eval Rout NOA | ata available T - repeated exposure Substance name titanium dioxide; [in powder form more of particles with aerodynan µm] e of exposure EL cies iod ce uation/classification e of exposure cies ce uation/classification propylidynetrimethanol e of exposure EL tion of exposure | a containing 1 % or nic diameter ≤ 10 13463-67- 13463-7- 13463-7- 13463-7- 13463-7- 13463-7- 13463-7- 13463-7- 1346-7- | 962 the classificatio | 236-675-5 mg/kg bw/d n criteria are not met. n criteria are not met. 201-074-9 mg/kg bw/d |
| No d STO No 1 Rout NOA Spec Sour Eval Rout Spec Sour Eval Rout NOA Dura Spec | ata available T - repeated exposure Substance name titanium dioxide; [in powder form more of particles with aerodynan µm] e of exposure EL cies iod ce uation/classification e of exposure cies ce uation/classification propylidynetrimethanol e of exposure EL tion of exposure cies | a containing 1 % or 13463-67- nic diameter ≤ 10 oral oral > rat OECD 408 ECHA Based on available data, inhalational rat ECHA Based on available data, inhalational rat ECHA Based on available data, oral oral | 962 the classificatio | 236-675-5 mg/kg bw/d n criteria are not met. n criteria are not met. 201-074-9 mg/kg bw/d |
| No d STO No 1 Rout NOA Spec Meth Sour Eval Rout Spec Sour Eval Rout NOA Dura Spec Sour | ata available T - repeated exposure Substance name titanium dioxide; [in powder form more of particles with aerodynan µm] e of exposure EL cies nod ce uation/classification e of exposure cies ce uation/classification propylidynetrimethanol e of exposure EL tion of exposure cies ce | a containing 1 % or 13463-67- hic diameter ≤ 10 oral oral > rat OECD 408 ECHA Based on available data, inhalational rat ECHA Based on available data, onhalational rat ECHA Based on available data, inhalational rat ECHA Based on available data, rat crats (male/female) | 962 the classificatio | 236-675-5 mg/kg bw/d n criteria are not met. n criteria are not met. 201-074-9 mg/kg bw/d |
| No d STO No 1 Rout NOA Spec Sour Eval Rout Spec Sour Eval Rout NOA Dura Spec Sour Asp | ata available T - repeated exposure Substance name titanium dioxide; [in powder form more of particles with aerodynan µm] e of exposure EL cies iod ce uation/classification e of exposure cies ce uation/classification propylidynetrimethanol e of exposure EL tion of exposure cies | a containing 1 % or 13463-67- hic diameter ≤ 10 oral oral > rat OECD 408 ECHA Based on available data, inhalational rat ECHA Based on available data, onhalational rat ECHA Based on available data, inhalational rat ECHA Based on available data, rat crats (male/female) | 962 the classificatio | 236-675-5 mg/kg bw/d n criteria are not met. n criteria are not met. 201-074-9 mg/kg bw/d |

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 Lawinit 2-K-Epoxi-Primer, weiß Stammlack |
|-------------|--|
| | 0074544 |

Product no.: 0071544 Current version : 4.3.0, issued: 03.01.2024

Replaced version: 4.2.0, issued: 03.07.2023

11.2 Information on other hazards

Endocrine disrupting properties No data available.

Other information No data available.

SECTION 12: Ecological information

12.1 Toxicity

| Toxi | city to fish (acute) | | | | |
|--|---|---|--|-------------------------------|--|
| | Substance name | | CAS no. | | EC no. |
| 1 | propylidynetrimethanol | | 77-99-6 | | 201-074-9 |
| LC5 | | > | | 1000 | mg/l |
| | ation of exposure | | | 96 | h |
| Spe | | Alburnus Alb | urnus | | |
| Sou | ce | ECHA | | | |
| | city to fish (chronic) | | | | |
| No c | lata available | | | | |
| Toxi | city to Daphnia (acute) | | | | |
| | Substance name | | CAS no. | | EC no. |
| 1 | propylidynetrimethanol | | 77-99-6 | | 201-074-9 |
| EC5 | | | | 13000 | mg/l |
| | ation of exposure | | | 48 | h |
| Spee | | Daphnia mag | Ina | | |
| Sou | rce | ECHA | | | |
| Toxi | city to Daphnia (chronic) | | | | |
| | Substance name | | CAS no. | | EC no. |
| 1 | propylidynetrimethanol | | 77-99-6 | | 201-074-9 |
| NOE | | > | | 1000 | mg/l |
| | ation of exposure | | | 21 | day(s) |
| Spee | | Daphnia mag | Ina | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |
| Meth | nod | OECD | | | |
| Sou | ce | ECHA | | | |
| Toxi | city to algae (acute) | | | | |
| | Substance name | | CAS no. | | EC no. |
| | | | | | |
| 1 | | ining 1 % or | 13463-67-7 | | 236-675-5 |
| | titanium dioxide; [in powder form conta | | | | |
| | | | | | |
| 1 EC5 | titanium dioxide; [in powder form conta more of particles with aerodynamic dia μm] 0 | | | 100 | |
| 1 EC5 Dura | titanium dioxide; [in powder form conta more of particles with aerodynamic dia μm] 0 ation of exposure | meter ≤ 10 | 13463-67-7 | 100 72 | 236-675-5 |
| 1 EC5 Dura Spec | titanium dioxide; [in powder form conta more of particles with aerodynamic dian µm] 0 ation of exposure cies | meter ≤ 10 Raphidocelis | 13463-67-7 | | 236-675-5 mg/l |
| 1 EC5 Dura Spee Meth | titanium dioxide; [in powder form conta more of particles with aerodynamic dian µm] 0 ation of exposure cies nod | Raphidocelis OECD 201 | 13463-67-7 | | 236-675-5 mg/l |
| 1 EC5 Dura Spec Meth Sour | titanium dioxide; [in powder form conta more of particles with aerodynamic dian [µm] 0 ation of exposure cies nod rce | Raphidocelis OECD 201 ECHA | 13463-67-7 subcapitata | 72 | 236-675-5 mg/l h |
| 1 EC5 Dura Spec Meth Sour Eval | titanium dioxide; [in powder form conta more of particles with aerodynamic dian [µm] 0 ation of exposure cies nod rce uation/classification | Raphidocelis OECD 201 ECHA | 13463-67-7 subcapitata | 72 | 236-675-5 mg/l h cation criteria are not met. |
| 1 EC5 Dura Spec Meth Sour Eval 2 | titanium dioxide; [in powder form conta more of particles with aerodynamic dian µm] 0 ation of exposure cies nod rce uation/classification propylidynetrimethanol | Raphidocelis OECD 201 ECHA Based on the | 13463-67-7 subcapitata | 72 , the classifi | 236-675-5 mg/l h cation criteria are not met. 201-074-9 |
| 1 EC5 Dura Spec Meth Sour Eval 2 EC5 | titanium dioxide; [in powder form conta more of particles with aerodynamic diar µm] 0 ation of exposure cies nod ce uation/classification propylidynetrimethanol 0 | Raphidocelis OECD 201 ECHA | 13463-67-7 subcapitata | 72 , the classific 1000 | 236-675-5 mg/l h cation criteria are not met. 201-074-9 mg/l |
| 1 EC5 Dura Spec Meth Sour Eval Eval 2 EC5 Dura | titanium dioxide; [in powder form conta more of particles with aerodynamic diar [µm] 0 ation of exposure cies nod "ce uation/classification propylidynetrimethanol 0 ation of exposure | meter ≤ 10 Raphidocelis OECD 201 ECHA Based on the > | 13463-67-7 subcapitata available data 77-99-6 | 72 , the classifi | 236-675-5 mg/l h cation criteria are not met. 201-074-9 |
| 1 EC5 Dura Spec Meth Sour Eval EC5 Dura Spec | titanium dioxide; [in powder form conta more of particles with aerodynamic diar [µm] 0 ation of exposure cies nod ce uation/classification propylidynetrimethanol 0 ation of exposure cies | meter ≤ 10 Raphidocelis OECD 201 ECHA Based on the Selenastrum | 13463-67-7 subcapitata | 72 , the classific 1000 | 236-675-5 mg/l h cation criteria are not met. 201-074-9 mg/l |
| 1 EC5 Dura Spec Meth Sour Eval Eval 2 EC5 Dura | titanium dioxide; [in powder form conta more of particles with aerodynamic diar [µm] 0 ation of exposure cies nod ce uation/classification propylidynetrimethanol 0 ation of exposure cies | meter ≤ 10 Raphidocelis OECD 201 ECHA Based on the Selenastrum OECD | 13463-67-7 subcapitata available data 77-99-6 | 72 , the classific 1000 | 236-675-5 mg/l h cation criteria are not met. 201-074-9 mg/l |
| 1 EC5 Dura Spec Meth Sour Eval EC5 Dura Spec Meth Sour | titanium dioxide; [in powder form conta more of particles with aerodynamic diau [µm] 0 ation of exposure cies hod rce uation/classification propylidynetrimethanol 0 ation of exposure cies hod rce | meter ≤ 10 Raphidocelis OECD 201 ECHA Based on the Selenastrum | 13463-67-7 subcapitata available data 77-99-6 | 72 , the classific 1000 | 236-675-5 mg/l h cation criteria are not met. 201-074-9 mg/l |
| 1 EC5 Dura Spec Meth Sour Eval EC5 Dura Spec Meth Sour | titanium dioxide; [in powder form conta more of particles with aerodynamic diar [µm] 0 ation of exposure cies hod cre uation/classification [propylidynetrimethanol 0 ation of exposure cies hod cre cies hod cre | meter ≤ 10 Raphidocelis OECD 201 ECHA Based on the Selenastrum OECD | 13463-67-7 subcapitata available data 77-99-6 | 72 , the classific 1000 | 236-675-5 mg/l h cation criteria are not met. 201-074-9 mg/l |
| 1 EC5 Dura Spec Meth Sour Eval EC5 Dura Spec Meth Sour | titanium dioxide; [in powder form conta more of particles with aerodynamic diau [µm] 0 ation of exposure cies hod rce uation/classification propylidynetrimethanol 0 ation of exposure cies hod rce | meter ≤ 10 Raphidocelis OECD 201 ECHA Based on the Selenastrum OECD | 13463-67-7 subcapitata available data 77-99-6 | 72 , the classific 1000 | 236-675-5 mg/l h cation criteria are not met. 201-074-9 mg/l |
| 1 EC5 Dura Spec Meth Soun Eval EC5 Dura Spec Meth Soun Toxi | titanium dioxide; [in powder form conta more of particles with aerodynamic diar [µm] 0 ation of exposure cies hod cre uation/classification [propylidynetrimethanol 0 ation of exposure cies hod cre cies hod cre | meter ≤ 10 Raphidocelis OECD 201 ECHA Based on the Selenastrum OECD | 13463-67-7 subcapitata available data 77-99-6 | 72 , the classific 1000 | 236-675-5 mg/l h cation criteria are not met. 201-074-9 mg/l |
| 1 EC5 Dura Spec Soun Eval EC5 Dura Spec Meth Soun Toxi No c | titanium dioxide; [in powder form conta more of particles with aerodynamic diar [µm] 0 tition of exposure cies nod rce uation/classification [propylidynetrimethanol 0 ation of exposure cies nod rce cies nod cies | meter ≤ 10 Raphidocelis OECD 201 ECHA Based on the Selenastrum OECD | 13463-67-7 subcapitata available data 77-99-6 | 72 , the classific 1000 | 236-675-5 mg/l h cation criteria are not met. 201-074-9 mg/l |
| 1 EC5 Dura Spec Soun Eval EC5 Dura Spec Meth Soun Toxi No c | titanium dioxide; [in powder form conta more of particles with aerodynamic diar [µm] 0 attion of exposure cies nod rce uation/classification [propylidynetrimethanol 0 attion of exposure cies nod rce city to algae (chronic) lata available teria toxicity | meter ≤ 10 Raphidocelis OECD 201 ECHA Based on the Selenastrum OECD | 13463-67-7 subcapitata available data, 77-99-6 capricornutum | 72 , the classific 1000 | 236-675-5 mg/l h cation criteria are not met. 201-074-9 mg/l h |
| 1 EC5 Dura Spect Soun Eval EC5 Dura Spece Soun Toxi No c Bac | titanium dioxide; [in powder form conta more of particles with aerodynamic diar [µm] 0 attion of exposure cies hod rce uation/classification [propylidynetrimethanol 0 attion of exposure cies hod rce city to algae (chronic) lata available teria toxicity Substance name propylidynetrimethanol | meter ≤ 10 Raphidocelis OECD 201 ECHA Based on the Selenastrum OECD | 13463-67-7 subcapitata available data, 77-99-6 capricornutum | 72 , the classific 1000 | 236-675-5 mg/l h cation criteria are not met. 201-074-9 mg/l h |



Product no.: 0071544

| Current version : 4.3.0, issued: 03.01.2024 | Replaced version: 4.2.0, issued: 03.07.2023 | Region: GB |
|---|---|------------|
| | | |

6

| Duration of exposure | | 3 | h |
|----------------------|------------------|---|---|
| Species | activated sludge | | |
| Method | EU C.11 | | |
| Source | ECHA | | |

12.2 Persistence and degradability

| Biod | degradability | | | | |
|------|---|-----------------------|---------------------|-----------|--|
| No | Substance name | CAS | no. | EC no. | |
| 1 | titanium dioxide; [in powder form containing 1 % or 13463-67-7 more of particles with aerodynamic diameter ≤ 10 μm] | | | 236-675-5 | |
| Sou | | ECHA | | | |
| Eval | luation | Not applicable for in | norganic substances | 5. | |
| 2 | propylidynetrimethanol | 77-9 | 9-6 | 201-074-9 | |
| Valu | e | | 100 | % | |
| Dura | ation | | 28 | day(s) | |
| Meth | nod | OECD 302 B | | | |
| Sou | rce | ECHA | | | |
| Eval | luation | readily biodegradal | ole | | |

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

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|-----------------|-----------------------------|--|
| | · +.0.0, 100000. 00.01.2024 | |

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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 is considered being subject to REACH regulation (EC) 1907/2006 annex XVII. No 3 | | | | |
|---|--|----------------------------|----------------------|---------------|
| The | product contains following substance(s) that are c | onsidered being subject to | o REACH regulation (| EC) 1907/2006 |
| anne | ex 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-[2-(2-butoxyethoxy)ethoxy]ethanol | 143-22-6 | 205-592-6 | 75 |
| 3 | Limestone | 1317-65-3 | 215-279-6 | 75 |

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|---|---|---|---|------------|-----------|------------|--|
| | | | | | | | |
| | 5 | titanium dioxide; [in powder form contain | ing 1 % or | 13463-67-7 | 236-675-5 | 75 | |

more of particles with aerodynamic diameter ≤ 10 μm]
Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

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

Directive 2004/42/CE on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products

relevant VOC limit value as referred to in Annex II of Directive 2004/42/CE , Cat. : j, type: wb = 140 g/l Max. VOC content (limit value) of the product in its ready for use condition = < 140 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

W

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)

| 000010110/ | |
|-------------------|---|
| EUH070 | Toxic by eye contact. |
| H302 | Harmful if swallowed. |
| H311 | Toxic in contact with skin. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H330 | Fatal if inhaled. |
| H331 | Toxic if inhaled. |
| H351i | Suspected of causing cancer by inhalation. |
| H361fd | Suspected of damaging fertility. Suspected of damaging |
| | the unborn child. |
| H372 | Causes damage to organs through prolonged or repeated exposure. |
| 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 | o 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 μ m, length > 5 |
| | μ m and aspect ratio \geq 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.



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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. Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.

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