

**Trade name:** einzA Grundweiß LH, weiß**Product no.:** 7001580**Current version :** 2.0.0, issued: 18.05.2020**Replaced version:** 1.1.0, issued: 06.12.2018**Region:** GB**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name

**einzA Grundweiß LH, 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 &amp; 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)**

Eye Dam. 1; H318

Flam. Liq. 2; H225

STOT SE 3; H336

**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**

GHS02



GHS05



GHS07

**Signal word**

Danger

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

propan-2-ol

2-methylpropan-1-ol

**Hazard statement(s)**

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H225 Highly flammable liquid and vapour.  
 H318 Causes serious eye damage.  
 H336 May cause drowsiness or dizziness.

**Hazard statements (EU)**

EUH208 Contains reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.

**Precautionary statement(s)**

P101 If medical advice is needed, have product container or label at hand.  
 P102 Keep out of reach of children.  
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P271 Use only outdoors or in a well-ventilated area.  
 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.  
 P370+P378 In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.  
 P405 Store locked up.  
 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  |   | Additional information |        |
|----|---|---|------------------------|--------|
|    | CAS / EC / Index / REACH no   | Classification (EC) 1272/2008 (CLP)   | Concentration          | %      |
| 1  | <b>propan-2-ol</b>  |   |                        |        |
|    | 67-63-0<br>200-661-7<br>603-117-00-0<br>01-2119457558-25  | Eye Irrit. 2; H319<br>Flam. Liq. 2; H225<br>STOT SE 3; H336   | >= 10.00 - < 25.00     | %-b.w. |
| 2  | <b>2-methylpropan-1-ol</b>  |   |                        |        |
|    | 78-83-1<br>201-148-0<br>603-108-00-1<br>01-2119484609-23  | Eye Dam. 1; H318<br>Flam. Liq. 3; H226<br>Skin Irrit. 2; H315<br>STOT SE 3; H335<br>STOT SE 3; H336 | >= 10.00 - < 25.00     | %-b.w. |
| 3  | <b>Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b>   |   |                        |        |
|    | 64742-48-9<br>919-857-5<br>-<br>01-2119463258-33  | Asp. Tox. 1; H304<br>EUH066<br>Flam. Liq. 3; H226<br>STOT SE 3; H336                                | < 5.00                 | %-b.w. |
| 4  | <b>reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)</b> |   |                        |        |
|    | 55965-84-9<br>-   | Acute Tox. 2; H310<br>Acute Tox. 2; H330  | < 0.0015               | %-b.w. |

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|                   |  |  |  |
|-------------------|--|--|--|
| 613-167-00-5<br>- | Acute Tox. 3; H301<br>Aquatic Acute 1; H400<br>Aquatic Chronic 1; H410<br>EUH071<br>Eye Dam. 1; H318<br>Skin Corr. 1C; H314<br>Skin Sens. 1A; H317 |  |  |
|-------------------|--|--|--|

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

| No | Note | Specific concentration limits   | M-factor (acute) | M-factor (chronic) |
|----|------|---|------------------|--------------------|
| 4  | B    | Skin Sens. 1A; H317: C >= 0.0015%<br>Eye Irrit. 2; H319: C >= 0.06%<br>Skin Irrit. 2; H315: C >= 0.06%<br>Skin Corr. 1C; H314: C >= 0.6%<br>Eye Dam. 1; H318: C >= 0.6% | M = 100          | 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)".

## 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, CO<sub>2</sub>, powders, water spray

#### Unsuitable extinguishing media

water jet.

### 5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon monoxide (CO); Carbon dioxide (CO<sub>2</sub>); Toxic pyrolysis products; Exposure to decomposition products may cause a health hazard.

### 5.3 Advice for firefighters

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

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## 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

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Operators should wear anti-static footwear and clothing and floors should be of the conducting type. Avoid the inhalation of dust, particulates and spray mist arising from the application of this mixture. Dry sanding, flame cutting and/or welding of the dry paint film may give rise to dust and/or hazardous fumes. Wet [sanding]/[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. Mixture may charge electrostatically: always use earthing leads when transferring from one container to another. Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Technical measures and storage conditions

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

#### Requirements for storage rooms and vessels

Always keep in containers of same material as the original one. Never use pressure to empty: container is not a pressure vessel. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep container tightly closed. Observe label precautions.

#### Incompatible products

Store away from oxidising agents, from strongly alkaline and strongly acid materials.

### 7.3 Specific end use(s)

No data available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

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**Occupational exposure limit values**

| No  | Substance name                            | CAS no.                | EC no.    |
|---|---|------------------------|-----------|
| 1   | propan-2-ol                               | 67-63-0                | 200-661-7 |
| <b>List of approved workplace exposure limits (WELs) / EH40</b> |   |                        |           |
| Propan-2-ol   |   |                        |           |
|   | WEL short-term (15 min reference period)  | 1250 mg/m <sup>3</sup> | 500 ppm   |
|   | WEL long-term (8-hr TWA reference period) | 999 mg/m <sup>3</sup>  | 400 ppm   |
| 2   | 2-methylpropan-1-ol                       | 78-83-1                | 201-148-0 |
| <b>List of approved workplace exposure limits (WELs) / EH40</b> |   |                        |           |
| 2-Methylpropan-1-ol   |   |                        |           |
|   | WEL short-term (15 min reference period)  | 231 mg/m <sup>3</sup>  | 75 ppm    |
|   | WEL long-term (8-hr TWA reference period) | 154 mg/m <sup>3</sup>  | 50 ppm    |

**DNEL, DMEL and PNEC values**

**DNEL values (worker)**

| No | Substance name  | Route of exposure   | Exposure time | Effect   | CAS / EC no             | Value                  |
|----|---|---------------------|---------------|----------|-------------------------|------------------------|
| 1  | propan-2-ol   |                     |               |          | 67-63-0<br>200-661-7    |                        |
|    | dermal  | Long term (chronic) |               | systemic |                         | 888 mg/kg/day          |
|    | inhalative  | Long term (chronic) |               | systemic |                         | 500 mg/m <sup>3</sup>  |
| 2  | 2-methylpropan-1-ol   |                     |               |          | 78-83-1<br>201-148-0    |                        |
|    | inhalative  | Long term (chronic) |               | local    |                         | 310 mg/m <sup>3</sup>  |
| 3  | Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics |                     |               |          | 64742-48-9<br>919-857-5 |                        |
|    | dermal  | Long term (chronic) |               | systemic |                         | 300 mg/kg/day          |
|    | inhalative  | Long term (chronic) |               | systemic |                         | 1500 mg/m <sup>3</sup> |

**DNEL value (consumer)**

| No | Substance name  | Route of exposure   | Exposure time | Effect   | CAS / EC no             | Value                 |
|----|---|---------------------|---------------|----------|-------------------------|-----------------------|
| 1  | propan-2-ol   |                     |               |          | 67-63-0<br>200-661-7    |                       |
|    | oral  | Long term (chronic) |               | systemic |                         | 26 mg/kg/day          |
|    | dermal  | Long term (chronic) |               | systemic |                         | 319 mg/kg/day         |
|    | inhalative  | Long term (chronic) |               | systemic |                         | 89 mg/m <sup>3</sup>  |
| 2  | 2-methylpropan-1-ol   |                     |               |          | 78-83-1<br>201-148-0    |                       |
|    | inhalative  | Long term (chronic) |               | local    |                         | 55 mg/m <sup>3</sup>  |
| 3  | Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics |                     |               |          | 64742-48-9<br>919-857-5 |                       |
|    | oral  | Long term (chronic) |               | systemic |                         | 300 mg/kg/day         |
|    | dermal  | Long term (chronic) |               | systemic |                         | 300 mg/kg/day         |
|    | inhalative  | Long term (chronic) |               | systemic |                         | 900 mg/m <sup>3</sup> |

**PNEC values**

| No | Substance name         | ecological compartment | Type | CAS / EC no          | Value      |
|----|------------------------|------------------------|------|----------------------|------------|
| 1  | propan-2-ol            |                        |      | 67-63-0<br>200-661-7 |            |
|    | water                  | fresh water            |      |                      | 140.9 mg/L |
|    | water                  | Aqua intermittent      |      |                      | 140.9 mg/L |
|    | water                  | marine water           |      |                      | 140.9 mg/L |
|    | water                  | fresh water sediment   |      |                      | 552 mg/L   |
|    | water                  | marine water sediment  |      |                      | 552 mg/L   |
|    | soil                   | -                      |      |                      | 28 mg/kg   |
|    | sewage treatment plant | -                      |      |                      | 2251 mg/L  |
|    | secondary poisoning    | -                      |      |                      | 160 mg/kg  |

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|   |                               |                       |                |                  |
|---|-------------------------------|-----------------------|----------------|------------------|
|   | with reference to: food       |                       |                |                  |
| 2 | <b>2-methylpropan-1-ol</b>    |                       | <b>78-83-1</b> | <b>201-148-0</b> |
|   | water                         | fresh water           | 0.4            | mg/L             |
|   | water                         | marine water          | 0.04           | mg/L             |
|   | water                         | Aqua intermittent     | 11             | mg/L             |
|   | water                         | fresh water sediment  | 1.56           | mg/kg            |
|   | with reference to: dry weight |                       |                |                  |
|   | water                         | marine water sediment | 0.152          | mg/kg            |
|   | with reference to: dry weight |                       |                |                  |
|   | soil                          | -                     | 0.076          | mg/kg            |
|   | with reference to: dry weight |                       |                |                  |
|   | sewage treatment plant        | -                     | 10             | mg/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 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 workstation suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material In case of short-term 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

|                           |
|---------------------------|
| <b>Form/Colour</b>        |
| liquid                    |
| according to product name |
| <b>Odour</b>              |
| of solvents               |
| <b>Odour threshold</b>    |
| No data available         |

# EC safety data sheet



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|  |                               |
|--|-------------------------------|
| <b>pH value</b>                                  |                               |
| No data available                                |                               |
| <b>Boiling point / boiling range</b>             |                               |
| Value  | > 120 °C                      |
| Reference substance                              | solvent mixture               |
| <b>Melting point / melting range</b>             |                               |
| No data available                                |                               |
| <b>Decomposition point / decomposition range</b> |                               |
| No data available                                |                               |
| <b>Flash point</b>                               |                               |
| Value  | 17 - 18 °C                    |
| Method   | closed cup                    |
| <b>Ignition temperature</b>                      |                               |
| Value  | > 200 °C                      |
| Reference substance                              | solvent mixture               |
| <b>Auto-ignition temperature</b>                 |                               |
| No data available                                |                               |
| <b>Oxidising properties</b>                      |                               |
| Not applicable                                   |                               |
| <b>Explosive properties</b>                      |                               |
| No data available                                |                               |
| <b>Flammability (solid, gas)</b>                 |                               |
| Not applicable                                   |                               |
| <b>Lower flammability or explosive limits</b>    |                               |
| Value  | > 0.6 % vol                   |
| Reference substance                              | solvent mixture               |
| <b>Upper flammability or explosive limits</b>    |                               |
| Value  | < 7.5 % vol                   |
| Reference substance                              | solvent mixture               |
| <b>Vapour pressure</b>                           |                               |
| Value  | < 100 hPa                     |
| Reference temperature                            | 50 °C                         |
| Reference substance                              | solvent mixture               |
| <b>Vapour density</b>                            |                               |
| No data available                                |                               |
| <b>Evaporation rate</b>                          |                               |
| No data available                                |                               |
| <b>Relative density</b>                          |                               |
| No data available                                |                               |
| <b>Density</b>                                   |                               |
| Value  | 1.13 - 1.15 g/cm <sup>3</sup> |
| Reference temperature                            | 20 °C                         |
| Method   | DIN 51757                     |
| <b>Solubility in water</b>                       |                               |
| Comments   | immiscible                    |
| <b>Solubility(ies)</b>                           |                               |
| No data available                                |                               |
| <b>Partition coefficient: n-octanol/water</b>    |                               |
| <b>No</b>  | <b>Substance name</b>         |
| <b>CAS no.</b>                                   | <b>EC no.</b>                 |

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| 1                       | propan-2-ol         | 67-63-0 | 200-661-7 |
|-------------------------|---------------------|---------|-----------|
| log Pow                 |                     |         | 0.05      |
| Reference temperature   |                     |         | 25 °C     |
| Source                  | ECHA                |         |           |
| 2                       | 2-methylpropan-1-ol | 78-83-1 | 201-148-0 |
| log Pow                 |                     |         | 0.31      |
| Method                  | calculated          |         |           |
| Source                  | ECHA                |         |           |
| Viscosity               |                     |         |           |
| Value                   | 29                  | - 31    | sec       |
| Reference temperature   |                     | 20      | °C        |
| Method                  | DIN EN 2431 (6 mm)  |         |           |
| Solvent separation test |                     |         |           |
| Value                   | <                   | 3       | %         |
| Reference temperature   |                     | 20      | °C        |

## 9.2 Other information

| Other information  |
|--------------------|
| No data available. |

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

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

### 10.2 Chemical stability

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

### 10.3 Possibility of hazardous reactions

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

### 10.4 Conditions to avoid

Heat, naked flames and other ignition sources.

### 10.5 Incompatible materials

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

### 10.6 Hazardous decomposition products

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

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

| Acute oral toxicity       |   |            |                       |
|---------------------------|---|------------|-----------------------|
| No                        | Substance name  | CAS no.    | EC no.                |
| 1                         | propan-2-ol   | 67-63-0    | 200-661-7             |
| LD50                      |   |            | 5840 mg/kg bodyweight |
| Species                   | rat   |            |                       |
| Method                    | OECD 401  |            |                       |
| Source                    | ECHA  |            |                       |
| Evaluation/classification | Based on available data, the classification criteria are not met.   |            |                       |
| 2                         | 2-methylpropan-1-ol   | 78-83-1    | 201-148-0             |
| LD50                      | >   | 2830       | mg/kg bodyweight      |
| Species                   | rat   |            |                       |
| Method                    | OECD 401  |            |                       |
| Source                    | ECHA  |            |                       |
| 3                         | Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics | 64742-48-9 | 919-857-5             |
| LD50                      | >   | 5000       | mg/kg bodyweight      |
| Species                   | rat   |            |                       |



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|        |          |
|--------|----------|
| Method | OECD 401 |
| Source | ECHA     |

| Acute dermal toxicity     |   |            |                  |
|---------------------------|---|------------|------------------|
| No                        | Substance name  | CAS no.    | EC no.           |
| 1                         | propan-2-ol   | 67-63-0    | 200-661-7        |
| LD50                      |   | 13400      | mg/kg bodyweight |
| Species                   | rabbit  |            |                  |
| Method                    | OECD 402  |            |                  |
| Source                    | ECHA  |            |                  |
| Evaluation/classification | Based on available data, the classification criteria are not met.   |            |                  |
| 2                         | 2-methylpropan-1-ol   | 78-83-1    | 201-148-0        |
| LD50                      |   | > 2000     | mg/kg bodyweight |
| Species                   | rabbit  |            |                  |
| Method                    | OECD 402  |            |                  |
| Source                    | ECHA  |            |                  |
| 3                         | Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics | 64742-48-9 | 919-857-5        |
| LD50                      |   | > 2000     | mg/kg bodyweight |
| Species                   | rabbit  |            |                  |
| Method                    | OECD 402  |            |                  |
| Source                    | ECHA  |            |                  |

| Acute inhalational toxicity |   |         |           |
|-----------------------------|---|---------|-----------|
| No                          | Substance name  | CAS no. | EC no.    |
| 1                           | propan-2-ol   | 67-63-0 | 200-661-7 |
| LC50                        |   | > 25    | mg/l      |
| Duration of exposure        |   | 4       | h         |
| State of aggregation        | Vapour  |         |           |
| Species                     | rat   |         |           |
| Method                      | OECD 403  |         |           |
| Source                      | ECHA  |         |           |
| Evaluation/classification   | Based on available data, the classification criteria are not met. |         |           |
| 2                           | 2-methylpropan-1-ol   | 78-83-1 | 201-148-0 |
| LC50                        |   | > 18.8  | mg/l      |
| Duration of exposure        |   | 6       | h         |
| State of aggregation        | Vapour  |         |           |
| Species                     | rat   |         |           |
| Source                      | ECHA  |         |           |

| Skin corrosion/irritation |   |            |           |
|---------------------------|---|------------|-----------|
| No                        | Substance name  | CAS no.    | EC no.    |
| 1                         | propan-2-ol   | 67-63-0    | 200-661-7 |
| Species                   | rabbit  |            |           |
| Source                    | ECHA  |            |           |
| Evaluation                | non-irritant  |            |           |
| Evaluation/classification | Based on available data, the classification criteria are not met.   |            |           |
| 2                         | 2-methylpropan-1-ol   | 78-83-1    | 201-148-0 |
| Duration of exposure      |   | 24         | h         |
| Species                   | rabbit  |            |           |
| Method                    | USFDA Code of Federal Regulations Title 16, Section 1500.41         |            |           |
| Source                    | ECHA  |            |           |
| Evaluation                | irritant  |            |           |
| Evaluation/classification | Based on available data, the classification criteria are met.       |            |           |
| 3                         | Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics | 64742-48-9 | 919-857-5 |
| Species                   | rabbit  |            |           |
| Method                    | OECD 404  |            |           |
| Source                    | ECHA  |            |           |
| Evaluation                | non-irritant  |            |           |

**Serious eye damage/irritation**

Trade name: einzA Grundweiß LH, weiß

Product no.: 7001580

Current version : 2.0.0, issued: 18.05.2020

Replaced version: 1.1.0, issued: 06.12.2018

Region: GB

| No                        | Substance name  | CAS no.   | EC no.    |
|---------------------------|---|---|-----------|
| 1                         | propan-2-ol   | 67-63-0   | 200-661-7 |
| Species                   |   | rabbit  |           |
| Method                    |   | OECD 405  |           |
| Source                    |   | ECHA  |           |
| Evaluation                |   | irritant  |           |
| Evaluation/classification |   | Based on available data, the classification criteria are met. |           |
| 2                         | 2-methylpropan-1-ol   | 78-83-1   | 201-148-0 |
| Duration of exposure      |   | 24  | h         |
| Species                   |   | rabbit  |           |
| Method                    |   | OECD 405  |           |
| Source                    |   | ECHA  |           |
| Evaluation                |   | Irreversible effects on the eye                               |           |
| Evaluation/classification |   | Based on available data, the classification criteria are met. |           |
| 3                         | Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics | 64742-48-9  | 919-857-5 |
| Species                   |   | rabbit  |           |
| Method                    |   | OECD 405  |           |
| Source                    |   | ECHA  |           |
| Evaluation                |   | non-irritant  |           |

| Respiratory or skin sensitisation |   |   |           |
|-----------------------------------|---|---|-----------|
| No                                | Substance name  | CAS no.   | EC no.    |
| 1                                 | propan-2-ol   | 67-63-0   | 200-661-7 |
| Route of exposure                 |   | Skin  |           |
| Species                           |   | guinea pig  |           |
| Method                            |   | OECD 406  |           |
| Source                            |   | ECHA  |           |
| Evaluation                        |   | non-sensitizing   |           |
| Evaluation/classification         |   | Based on available data, the classification criteria are not met. |           |
| 2                                 | 2-methylpropan-1-ol   | 78-83-1   | 201-148-0 |
| Route of exposure                 |   | Skin  |           |
| Method                            |   | QSAR  |           |
| Source                            |   | ECHA  |           |
| Evaluation                        |   | non-sensitizing   |           |
| Evaluation/classification         |   | Based on available data, the classification criteria are not met. |           |
| 3                                 | Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics | 64742-48-9  | 919-857-5 |
| Route of exposure                 |   | Skin  |           |
| Species                           |   | guinea pig  |           |
| Method                            |   | OECD 406  |           |
| Source                            |   | ECHA  |           |
| Evaluation                        |   | non-sensitizing   |           |

| Germ cell mutagenicity    |                |   |           |
|---------------------------|----------------|---|-----------|
| No                        | Substance name | CAS no.   | EC no.    |
| 1                         | propan-2-ol    | 67-63-0   | 200-661-7 |
| Source                    |                | ECHA  |           |
| Evaluation/classification |                | Based on available data, the classification criteria are not met. |           |

| Reproduction toxicity |
|-----------------------|
| No data available     |

| Carcinogenicity   |
|-------------------|
| No data available |

| STOT - single exposure |
|------------------------|
| No data available      |

| STOT - repeated exposure |
|--------------------------|
| No data available        |

| Aspiration hazard |
|-------------------|
| No data available |

Trade name: einzA Grundweiß LH, weiß

Product no.: 7001580

Current version : 2.0.0, issued: 18.05.2020

Replaced version: 1.1.0, issued: 06.12.2018

Region: GB

**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.

**SECTION 12: Ecological information**

**12.1 Toxicity**

| <b>Toxicity to fish (acute)</b>    |   |            |           |
|------------------------------------|---|------------|-----------|
| No                                 | Substance name  | CAS no.    | EC no.    |
| 1                                  | propan-2-ol   | 67-63-0    | 200-661-7 |
| LC50                               |   | 9640       | mg/l      |
| Duration of exposure               |   | 96         | h         |
| Species                            | Pimephales promelas   |            |           |
| Method                             | OECD 203  |            |           |
| Source                             | ECHA  |            |           |
| 2                                  | 2-methylpropan-1-ol   | 78-83-1    | 201-148-0 |
| LC50                               |   | 1430       | mg/l      |
| Duration of exposure               |   | 96         | h         |
| Species                            | Pimephales promelas   |            |           |
| Source                             | ECHA  |            |           |
| 3                                  | Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics | 64742-48-9 | 919-857-5 |
| LL50                               | >   | 1000       | mg/l      |
| Duration of exposure               |   | 96         | h         |
| Species                            | Rainbow trout   |            |           |
| Method                             | OECD 203  |            |           |
| Source                             | ECHA  |            |           |
| <b>Toxicity to fish (chronic)</b>  |   |            |           |
| No data available                  |   |            |           |
| <b>Toxicity to Daphnia (acute)</b> |   |            |           |
| No                                 | Substance name  | CAS no.    | EC no.    |
| 1                                  | propan-2-ol   | 67-63-0    | 200-661-7 |
| EC50                               | >   | 10000      | mg/l      |
| Duration of exposure               |   | 48         | h         |
| Species                            | Daphnia magna   |            |           |
| Method                             | OECD 202  |            |           |
| Source                             | ECHA  |            |           |
| 2                                  | 2-methylpropan-1-ol   | 78-83-1    | 201-148-0 |
| EC50                               |   | 1100       | mg/l      |
| Duration of exposure               |   | 48         | h         |
| Species                            | Daphnia pulex   |            |           |
| Method                             | ASTM Standard E 729-80  |            |           |
| Source                             | ECHA  |            |           |
| 3                                  | Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics | 64742-48-9 | 919-857-5 |
| EL50                               | >   | 1000       | mg/l      |
| Duration of exposure               |   | 48         | h         |
| Species                            | Daphnia magna   |            |           |
| with reference to                  | WAF (water accommodated fractions)                                  |            |           |
| Method                             | OECD 202  |            |           |
| Source                             | ECHA  |            |           |

Trade name: einzA Grundweiß LH, weiß

Product no.: 7001580

Current version : 2.0.0, issued: 18.05.2020

Replaced version: 1.1.0, issued: 06.12.2018

Region: GB

| Toxicity to Daphnia (chronic) |                     |         |           |
|-------------------------------|---------------------|---------|-----------|
| No                            | Substance name      | CAS no. | EC no.    |
| 1                             | 2-methylpropan-1-ol | 78-83-1 | 201-148-0 |
| NOEC                          |                     | 20      | mg/l      |
| Duration of exposure          |                     | 21      | day(s)    |
| Species                       | Daphnia magna       |         |           |
| Source                        | ECHA                |         |           |

| Toxicity to algae (acute) |   |            |           |
|---------------------------|---|------------|-----------|
| No                        | Substance name  | CAS no.    | EC no.    |
| 1                         | 2-methylpropan-1-ol   | 78-83-1    | 201-148-0 |
| EC50                      |   | 593        | mg/l      |
| Duration of exposure      |   | 72         | h         |
| Species                   | Pseudokirchneriella subcapitata                                     |            |           |
| Method                    | OECD 201  |            |           |
| Source                    | ECHA  |            |           |
| 2                         | Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics | 64742-48-9 | 919-857-5 |
| EL50                      |   | >          | 1000 mg/l |
| Duration of exposure      |   | 72         | h         |
| Species                   | Pseudokirchneriella subcapitata                                     |            |           |
| with reference to         | WAF (water accommodated fractions)                                  |            |           |
| Method                    | OECD 201  |            |           |
| Source                    | ECHA  |            |           |

| Toxicity to algae (chronic) |  |  |  |
|-----------------------------|--|--|--|
| No data available           |  |  |  |

| Bacteria toxicity |  |  |  |
|-------------------|--|--|--|
| No data available |  |  |  |

12.2 Persistence and degradability

| Biodegradability |   |            |           |
|------------------|---|------------|-----------|
| No               | Substance name  | CAS no.    | EC no.    |
| 1                | propan-2-ol   | 67-63-0    | 200-661-7 |
| Type             | BOD/COD   |            |           |
| Value            |   | 53         | %         |
| Duration         |   | 5          | day(s)    |
| Source           | ECHA  |            |           |
| Evaluation       | readily biodegradable   |            |           |
| 2                | 2-methylpropan-1-ol   | 78-83-1    | 201-148-0 |
| Type             | BOD/COD   |            |           |
| Value            |   | 70 - 80    | %         |
| Duration         |   | 28         | day(s)    |
| Method           | OECD 301 D  |            |           |
| Source           | ECHA  |            |           |
| Evaluation       | readily biodegradable   |            |           |
| 3                | Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics | 64742-48-9 | 919-857-5 |
| Method           | OECD 301 F  |            |           |
| Source           | ECHA  |            |           |
| Evaluation       | readily biodegradable   |            |           |

12.3 Bioaccumulative potential

| Partition coefficient: n-octanol/water |                     |         |           |
|--|---------------------|---------|-----------|
| No                                     | Substance name      | CAS no. | EC no.    |
| 1                                      | propan-2-ol         | 67-63-0 | 200-661-7 |
| log Pow                                |                     | 0.05    |           |
| Reference temperature                  |                     | 25      | °C        |
| Source                                 | ECHA                |         |           |
| 2                                      | 2-methylpropan-1-ol | 78-83-1 | 201-148-0 |
| log Pow                                |                     | 0.31    |           |

**Trade name:** einzA Grundweiß LH, weiß

**Product no.:** 7001580

**Current version :** 2.0.0, issued: 18.05.2020

**Replaced version:** 1.1.0, issued: 06.12.2018

**Region:** GB

|        |            |
|--------|------------|
| Method | calculated |
| 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 Other adverse effects

No data available.

## 12.7 Other information

| Other information                              |
|--|
| Do not allow to enter drains or water courses. |

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

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

The listed waste code numbers, according to the European Waste Catalogue, are to be understood as a recommendation. A final decision must be made in agreement with the regional waste disposal company. Disposal of the product should be carried out in accordance with all applicable regulations following consultation with the responsible local authority and the disposal company in an authorised and suitable disposal facility.

#### Packaging

Residuals 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

|                           |        |
|---------------------------|--------|
| Class                     | 3      |
| Classification code       | F1     |
| Packing group             | II     |
| Hazard identification no. | 33     |
| UN number                 | UN1263 |
| Proper shipping name      | PAINT  |
| Special Provision 640     | 640D   |
| Tunnel restriction code   | D/E    |
| Label                     | 3      |

### 14.2 Transport IMDG

|                      |         |
|----------------------|---------|
| Class                | 3       |
| Packing group        | II      |
| UN number            | UN1263  |
| Proper shipping name | PAINT   |
| EmS                  | F-E+S-E |
| Label                | 3       |

### 14.3 Transport ICAO-TI / IATA

|                      |        |
|----------------------|--------|
| Class                | 3      |
| Packing group        | II     |
| UN number            | UN1263 |
| Proper shipping name | Paint  |
| Label                | 3      |

### 14.4 Other information

No data available.

**Trade name:** einzA Grundweiß LH, weiß

**Product no.:** 7001580

**Current version :** 2.0.0, issued: 18.05.2020

**Replaced version:** 1.1.0, issued: 06.12.2018

**Region:** GB

## 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 Transport in bulk according to Annex II of Marpol and the IBC Code

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, PREPARATIONS AND ARTICLES**

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

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

This product is subject to Part I of Annex I, risk category: P5b

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

|             |         |
|-------------|---------|
| VOC content | 50.81 % |
|-------------|---------|

##### **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. : h, type: lb = 750 g/l  
Max. VOC content (limit value) of the product in its ready for use condition = < 750 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 chapter.

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU

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

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

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

EUH066 Repeated exposure may cause skin dryness or cracking.

**Trade name:** einzA Grundweiß LH, weiß

**Product no.:** 7001580

**Current version :** 2.0.0, issued: 18.05.2020

**Replaced version:** 1.1.0, issued: 06.12.2018

**Region:** GB

|        |   |
|--------|---|
| EUH071 | Corrosive to the respiratory tract.                   |
| H226   | Flammable liquid and vapour.                          |
| H301   | Toxic if swallowed.                                   |
| H304   | May be fatal if swallowed and enters airways.         |
| H310   | Fatal in contact with skin.                           |
| H314   | Causes severe skin burns and eye damage.              |
| H315   | Causes skin irritation.                               |
| H317   | May cause an allergic skin reaction.                  |
| H319   | Causes serious eye irritation.                        |
| H330   | Fatal if inhaled.                                     |
| H335   | May cause respiratory irritation.                     |
| H400   | Very toxic to aquatic life.                           |
| H410   | Very 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.

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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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