

**Trade name:** einza Aqua-Kompaktlasur, kiefer**Product no.:** 3940730**Current version :** 4.1.0, issued: 21.12.2023**Replaced version:** 4.0.0, issued: 13.09.2023**Region:** GB**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name

**einza Aqua-Kompaktlasur, kiefer****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 information**

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

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

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

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

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

-

**Signal word**

-

**Hazard statement(s)**

-

**Hazard statements (EU)**

EUH208

Contains adipohydrazide, 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

EUH210

Safety data sheet available on request.

**Precautionary statement(s)**

-

**Labelling information**

The labelling (EU hazard statements) meets the criteria of annex II of Directive (EC) Nr. 1272/2008 (CLP).

**2.3 Other hazards**

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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  | (2-METHOXYMETHYLETHOXY)PROPANOL                           |                                                                                                                                                                                                                    |                            |
|    | 34590-94-8<br>252-104-2<br>-<br>01-2119450011-60          | -                                                                                                                                                                                                                  | < 2.50<br>wt%              |
| 2  | 2-butoxyethanol                                           |                                                                                                                                                                                                                    |                            |
|    | 111-76-2<br>203-905-0<br>603-014-00-0<br>01-2119475108-36 | Acute Tox. 4; H302<br>Acute Tox. 4; H332<br>Eye Irrit. 2; H319<br>Skin Irrit. 2; H315                                                                                                                              | < 2.50<br>wt%              |
| 3  | adipohydrazide                                            |                                                                                                                                                                                                                    |                            |
|    | 1071-93-8<br>213-999-5<br>-<br>-                          | Skin Sens. 1; H317<br>Aquatic Chronic 2; H411                                                                                                                                                                      | < 2.50<br>wt%              |
| 4  | 1,2-benzisothiazol-3(2H)-one                              |                                                                                                                                                                                                                    | pls. refer to footnote (1) |
|    | 2634-33-5<br>220-120-9<br>613-088-00-6<br>-               | Acute Tox. 4*; H302<br>Eye Dam. 1; H318<br>Skin Irrit. 2; H315<br>Skin Sens. 1; H317<br>Acute Tox. 2; H330<br>Aquatic Acute 1; H400<br>Aquatic Chronic 2; H411                                                     | < 0.05<br>wt%              |
| 5  | pyridine-2-thiol 1-oxide, sodium salt                     |                                                                                                                                                                                                                    |                            |
|    | 3811-73-2<br>223-296-5<br>613-344-00-7<br>-               | EUH070<br>Acute Tox. 4; H302<br>Acute Tox. 3; H311<br>Acute Tox. 3; H331<br>Skin Irrit. 2; H315<br>Skin Sens. 1; H317<br>Eye Irrit. 2; H319<br>STOT RE 1; H372<br>Aquatic Acute 1; H400<br>Aquatic Chronic 2; H411 | < 0.10<br>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) |
|----|------|--------------------------------|------------------|--------------------|
| 4  | -    | Skin Sens. 1; H317: C >= 0.05% | -                | -                  |
| 5  | -    | -                              | M = 100          | -                  |

| No | Route, target organ, concrete effect |
|----|--------------------------------------|
| 5  | H372<br>-; nervous system; -         |

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| Acute toxicity estimate (ATE) values |                       |        |            |
|--------------------------------------|-----------------------|--------|------------|
| No                                   | oral                  | dermal | inhalative |
| 2                                    | 1200 mg/kg bodyweight |        |            |

## 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.

## 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

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Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean preferably with a detergent - avoid use of solvents.

**6.4 Reference to other sections**

No data available.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling****Advice on safe handling**

Due to the organic solvents' content of the mixture: Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Avoid the inhalation of dust, particulates and spray mist arising from the application of this mixture. Dry sanding, flame cutting and/or welding of the dry paint film may give rise to dust and/or hazardous fumes. Wet [sanding]/[flattening] should be used wherever possible. Avoid inhalation of dust from sanding. For personal protection see section 8.

**General protective and hygiene measures**

Avoid skin and eye contact. Do not eat or drink during work - no smoking. Wash hands before breaks and after work. Clean skin thoroughly after work; apply skin cream.

**Advice on protection against fire and explosion**

Isolate from sources of heat, sparks and open flame. No sparking tools should be used. Electrical equipment should be protected to the appropriate standard. Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

**7.2 Conditions for safe storage, including any incompatibilities****Technical measures and storage conditions**

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

**Requirements for storage rooms and vessels**

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

**Incompatible products**

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

**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  | (2-METHOXYMETHYLETHOXY)PROPANOL                          | 34590-94-8 | 252-104-2                |
|    | 2000/39/EC                                               |            |                          |
|    | (2-Methoxymethylethoxy)-propanol                         |            |                          |
|    | WEL long-term (8-hr TWA reference period)                | 308        | mg/m <sup>3</sup> 50 ppm |
|    | Skin resorption / sensibilisation                        | Skin       |                          |
|    | List of approved workplace exposure limits (WELs) / EH40 |            |                          |
|    | (2-Methoxymethylethoxy) propanol                         |            |                          |
|    | WEL long-term (8-hr TWA reference period)                | 308        | mg/m <sup>3</sup> 50 ppm |
|    | Comments                                                 | Sk         |                          |
| 2  | 2-butoxyethanol                                          | 111-76-2   | 203-905-0                |
|    | 2000/39/EC                                               |            |                          |
|    | 2-Butoxyethanol                                          |            |                          |
|    | WEL short-term (15 min reference period)                 | 246        | mg/m <sup>3</sup> 50 ppm |
|    | WEL long-term (8-hr TWA reference period)                | 98         | mg/m <sup>3</sup> 20 ppm |
|    | Skin resorption / sensibilisation                        | Skin       |                          |

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| List of approved workplace exposure limits (WELs) / EH40 |          |                   |    |     |
|----------------------------------------------------------|----------|-------------------|----|-----|
| 2-Butoxyethanol                                          |          |                   |    |     |
| WEL short-term (15 min reference period)                 | 246      | mg/m <sup>3</sup> | 50 | ppm |
| WEL long-term (8-hr TWA reference period)                | 123      | mg/m <sup>3</sup> | 25 | ppm |
| Comments                                                 | Sk, BMGV |                   |    |     |

**DNEL, DMEL and PNEC values****DNEL values (worker)**

| No | Substance name    |                     |          | CAS / EC no                         |                   |
|----|-------------------|---------------------|----------|-------------------------------------|-------------------|
|    | Route of exposure | Exposure time       | Effect   | Value                               |                   |
| 1  | 2-butoxyethanol   |                     |          | <b>111-76-2</b><br><b>203-905-0</b> |                   |
|    | inhalative        | Long term (chronic) | systemic | 98.00                               | mg/m <sup>3</sup> |
|    | inhalative        | Short term (acut)   | systemic | 1091.00                             | mg/m <sup>3</sup> |
|    | inhalative        | Long term (chronic) | local    | 246.00                              | mg/m <sup>3</sup> |

**DNEL value (consumer)**

| No | Substance name    |                     |          | CAS / EC no                         |                   |
|----|-------------------|---------------------|----------|-------------------------------------|-------------------|
|    | Route of exposure | Exposure time       | Effect   | Value                               |                   |
| 1  | 2-butoxyethanol   |                     |          | <b>111-76-2</b><br><b>203-905-0</b> |                   |
|    | oral              | Long term (chronic) | systemic | 6.30                                | mg/kg/day         |
|    | oral              | Short term (acut)   | systemic | 26.70                               | mg/kg/day         |
|    | inhalative        | Long term (chronic) | systemic | 59.00                               | mg/m <sup>3</sup> |
|    | inhalative        | Short term (acut)   | systemic | 426.00                              | mg/m <sup>3</sup> |
|    | inhalative        | Long term (chronic) | local    | 147.00                              | mg/m <sup>3</sup> |

**PNEC values**

| No | Substance name                |                       | CAS / EC no                         |                  |
|----|-------------------------------|-----------------------|-------------------------------------|------------------|
|    | ecological compartment        | Type                  | Value                               |                  |
| 1  | 2-butoxyethanol               |                       | <b>111-76-2</b><br><b>203-905-0</b> |                  |
|    | water                         | fresh water           | 8.80                                | mg/L             |
|    | water                         | marine water          | 0.88                                | mg/L             |
|    | water                         | fresh water sediment  | 34.60                               | mg/kg            |
|    | with reference to: dry weight |                       |                                     |                  |
|    | water                         | marine water sediment | 3.46                                | mg/kg            |
|    | water                         | Aqua intermittent     | 26.4                                | mg/L             |
|    | soil                          | -                     | 2.33                                | mg/kg dry weight |
|    | sewage treatment plant        | -                     | 463.00                              | mg/L             |
|    | secondary poisoning           | -                     | 0.02                                | g/kg             |

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

Provide good ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

**Personal protective equipment****Respiratory protection**

If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. In case of brush application: Filter A2. When applied by spraying: Filter A2P2. (DIN EN 14387)

**Eye / face protection**

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

**Hand protection**

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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 work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

|                      |                                                                   |     |     |
|----------------------|-------------------------------------------------------------------|-----|-----|
| Appropriate Material | In case of short-term contact / splash protection: nitrile rubber |     |     |
| Material thickness   | >                                                                 | 0.4 | mm  |
| Breakthrough time    | >                                                                 | 120 | min |
| Appropriate Material | In case of prolonged exposure: nitrile rubber                     |     |     |
| Material thickness   | >                                                                 | 0.4 | mm  |
| Breakthrough time    | >                                                                 | 480 | min |

**Other**

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

**Environmental exposure controls**

Do not allow to enter drains or water courses.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|                                      |       |     |       |
|--------------------------------------|-------|-----|-------|
| <b>State of aggregation</b>          |       |     |       |
| liquid                               |       |     |       |
| <b>Form</b>                          |       |     |       |
| liquid                               |       |     |       |
| <b>Colour</b>                        |       |     |       |
| according to product name            |       |     |       |
| <b>Odour</b>                         |       |     |       |
| characteristic                       |       |     |       |
| <b>pH value</b>                      |       |     |       |
| Value                                |       | 7.8 | - 7.8 |
| <b>Boiling point / boiling range</b> |       |     |       |
| Value                                | appr. | 100 | °C    |
| <b>Melting point/freezing point</b>  |       |     |       |
| No data available                    |       |     |       |
| <b>Decomposition temperature</b>     |       |     |       |
| No data available                    |       |     |       |
| <b>Flash point</b>                   |       |     |       |
| Not applicable                       |       |     |       |
| <b>Ignition temperature</b>          |       |     |       |
| No data available                    |       |     |       |
| <b>Oxidising properties</b>          |       |     |       |
| Not applicable                       |       |     |       |
| <b>Flammability</b>                  |       |     |       |
| Not applicable                       |       |     |       |
| <b>Lower explosion limit</b>         |       |     |       |
| No data available                    |       |     |       |
| <b>Upper explosion limit</b>         |       |     |       |
| No data available                    |       |     |       |
| <b>Vapour pressure</b>               |       |     |       |
| Value                                | <     | 100 | hPa   |
| Reference temperature                |       | 50  | °C    |

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**Relative vapour density**

No data available

**Relative density**

No data available

**Density**

|                       |           |   |      |                   |
|-----------------------|-----------|---|------|-------------------|
| Value                 | 1.03      | - | 1.06 | g/cm <sup>3</sup> |
| Reference temperature |           |   | 20   | °C                |
| Method                | DIN 51757 |   |      |                   |

**Solubility**

No data available

**Partition coefficient n-octanol/water (log value)**

| No | Substance name        | CAS no.  | EC no.    |
|----|-----------------------|----------|-----------|
| 1  | 2-butoxyethanol       | 111-76-2 | 203-905-0 |
|    | log Pow               |          | 0.81      |
|    | Reference temperature |          | 25 °C     |
|    | Source                | ECHA     |           |

**Kinematic viscosity**

|                       |           |   |      |      |
|-----------------------|-----------|---|------|------|
| Value                 | 1600      | - | 1800 | Pa*s |
| Reference temperature |           |   | 20   | °C   |
| Method                | DIN 53019 |   |      |      |

**Solvent separation test**

Not applicable

**Particle characteristics**

No data available

**9.2 Other information****Other information**

No data available.

**SECTION 10: Stability and reactivity****10.1 Reactivity**

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

**10.2 Chemical stability**

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

**10.3 Possibility of hazardous reactions**

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

**10.4 Conditions to avoid**

Heat, naked flames and other ignition sources.

**10.5 Incompatible materials**

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

**10.6 Hazardous decomposition products**

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

**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity (result of the ATE calculation for the mixture)**

| No | Product Name                    |
|----|---------------------------------|
| 1  | einzA Aqua-Kompaktlasur, kiefer |

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|          |                                                                                                                                                                                                                                                                                                                 |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Comments | The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE oral > 2000 mg/kg). |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| Acute oral toxicity |                        |          |                  |
|---------------------|------------------------|----------|------------------|
| No                  | Substance name         | CAS no.  | EC no.           |
| 1                   | 2-butoxyethanol        | 111-76-2 | 203-905-0        |
| ATE                 |                        | 1200     | mg/kg bodyweight |
| Species             | rat                    |          |                  |
| Source              | 1272/2008/EC, Annex VI |          |                  |

| Acute dermal toxicity |                 |          |                  |
|-----------------------|-----------------|----------|------------------|
| No                    | Substance name  | CAS no.  | EC no.           |
| 1                     | 2-butoxyethanol | 111-76-2 | 203-905-0        |
| LD50                  |                 | > 2000   | mg/kg bodyweight |
| Species               | guinea pig      |          |                  |
| Method                | OECD 402        |          |                  |
| Source                | ECHA            |          |                  |

| Acute inhalational toxicity (result of the ATE calculation for the mixture) |                                                                                                                                                                                                                                                                                                                                                                                  |  |  |
|-----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| No                                                                          | Product Name                                                                                                                                                                                                                                                                                                                                                                     |  |  |
| 1                                                                           | einza Aqua-Kompaktlasur, kiefer                                                                                                                                                                                                                                                                                                                                                  |  |  |
| Comments                                                                    | The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE for inhalation: > 20.000 ppmV (gases), > 20 mg/l (vapours), > 5 mg/l (dusts/mists)). |  |  |

| Acute inhalational toxicity |  |  |  |
|-----------------------------|--|--|--|
| No data available           |  |  |  |

| Skin corrosion/irritation |                 |          |           |
|---------------------------|-----------------|----------|-----------|
| No                        | Substance name  | CAS no.  | EC no.    |
| 1                         | 2-butoxyethanol | 111-76-2 | 203-905-0 |
| Duration of exposure      |                 | 4        | h         |
| Species                   | rabbit          |          |           |
| Method                    | EU B.4          |          |           |
| Source                    | ECHA            |          |           |
| Evaluation                | irritant        |          |           |

| Serious eye damage/irritation |                    |          |           |
|-------------------------------|--------------------|----------|-----------|
| No                            | Substance name     | CAS no.  | EC no.    |
| 1                             | 2-butoxyethanol    | 111-76-2 | 203-905-0 |
| Duration of exposure          |                    | 24       | h         |
| Species                       | rabbit             |          |           |
| Method                        | OECD 405           |          |           |
| Source                        | ECHA               |          |           |
| Evaluation                    | Irritating to eyes |          |           |

| Respiratory or skin sensitisation |                 |          |           |
|-----------------------------------|-----------------|----------|-----------|
| No                                | Substance name  | CAS no.  | EC no.    |
| 1                                 | 2-butoxyethanol | 111-76-2 | 203-905-0 |
| 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                      | 2-butoxyethanol | 111-76-2 | 203-905-0 |
| Method                 | OECD 471        |          |           |



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|                           |                                                                   |
|---------------------------|-------------------------------------------------------------------|
| Source                    | ECHA                                                              |
| Evaluation/classification | Based on available data, the classification criteria are not met. |

|                              |
|------------------------------|
| <b>Reproduction toxicity</b> |
| No data available            |

| <b>Carcinogenicity</b>    |                 |                                                                   |           |
|---------------------------|-----------------|-------------------------------------------------------------------|-----------|
| No                        | Substance name  | CAS no.                                                           | EC no.    |
| 1                         | 2-butoxyethanol | 111-76-2                                                          | 203-905-0 |
| Species                   |                 | rat                                                               |           |
| Method                    |                 | OECD 451                                                          |           |
| Source                    |                 | ECHA                                                              |           |
| Evaluation/classification |                 | Based on available data, the classification criteria are not met. |           |

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

| <b>STOT - repeated exposure</b> |                 |                                                                   |           |
|---------------------------------|-----------------|-------------------------------------------------------------------|-----------|
| No                              | Substance name  | CAS no.                                                           | EC no.    |
| 1                               | 2-butoxyethanol | 111-76-2                                                          | 203-905-0 |
| Source                          |                 | ECHA                                                              |           |
| Evaluation/classification       |                 | Based on available data, the classification criteria are not met. |           |

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

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

## 11.2 Information on other hazards

### Endocrine disrupting properties

No data available.

### Other information

No data available.

## SECTION 12: Ecological information

### 12.1 Toxicity

| Toxicity to fish (acute)   |                 |                     |           |      |
|----------------------------|-----------------|---------------------|-----------|------|
| No                         | Substance name  | CAS no.             | EC no.    |      |
| 1                          | 2-butoxyethanol | 111-76-2            | 203-905-0 |      |
| LC50                       |                 | 1474                | mg/l      |      |
| Duration of exposure       |                 | 96                  | h         |      |
| Species                    |                 | Oncorhynchus mykiss |           |      |
| Method                     |                 | OECD 203            |           |      |
| Source                     |                 | ECHA                |           |      |
| Toxicity to fish (chronic) |                 |                     |           |      |
| No                         | Substance name  | CAS no.             | EC no.    |      |
| 1                          | 2-butoxyethanol | 111-76-2            | 203-905-0 |      |
| NOEC                       |                 | >                   | 100       | mg/l |
| Duration of exposure       |                 | 21                  | day(s)    |      |
| Species                    |                 | Danio rerio         |           |      |
| Method                     |                 | OECD 204            |           |      |
| Source                     |                 | ECHA                |           |      |

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| Toxicity to Daphnia (acute) |                 |          |           |
|-----------------------------|-----------------|----------|-----------|
| No                          | Substance name  | CAS no.  | EC no.    |
| 1                           | 2-butoxyethanol | 111-76-2 | 203-905-0 |
| EC50                        |                 | 1550     | mg/l      |
| Duration of exposure        |                 | 48       | h         |
| Species                     | Daphnia magna   |          |           |
| Method                      | OECD 202        |          |           |
| Source                      | ECHA            |          |           |

| Toxicity to Daphnia (chronic) |                 |          |           |
|-------------------------------|-----------------|----------|-----------|
| No                            | Substance name  | CAS no.  | EC no.    |
| 1                             | 2-butoxyethanol | 111-76-2 | 203-905-0 |
| NOEC                          |                 | 100      | mg/l      |
| Duration of exposure          |                 | 21       | day(s)    |
| Species                       | Daphnia magna   |          |           |
| Method                        | OECD 211        |          |           |
| Source                        | ECHA            |          |           |

| Toxicity to algae (acute) |                                 |          |           |
|---------------------------|---------------------------------|----------|-----------|
| No                        | Substance name                  | CAS no.  | EC no.    |
| 1                         | 2-butoxyethanol                 | 111-76-2 | 203-905-0 |
| EC50                      |                                 | 911      | mg/l      |
| Duration of exposure      |                                 | 72       | h         |
| Species                   | Pseudokirchneriella subcapitata |          |           |
| 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                | 2-butoxyethanol        | 111-76-2 | 203-905-0 |
| Type             | aerobic biodegradation |          |           |
| Value            |                        | 90.4     | %         |
| Duration         |                        | 28       | day(s)    |
| Method           | OECD 301 B             |          |           |
| Source           | ECHA                   |          |           |
| Evaluation       | readily biodegradable  |          |           |

## 12.3 Bioaccumulative potential

| Partition coefficient n-octanol/water (log value) |                 |          |           |
|---------------------------------------------------|-----------------|----------|-----------|
| No                                                | Substance name  | CAS no.  | EC no.    |
| 1                                                 | 2-butoxyethanol | 111-76-2 | 203-905-0 |
| log Pow                                           |                 | 0.81     |           |
| Reference temperature                             |                 | 25       | °C        |
| Source                                            | ECHA            |          |           |

## 12.4 Mobility in soil

No data available.

## 12.5 Results of PBT and vPvB assessment

| Results of PBT and vPvB assessment |                                                                 |
|------------------------------------|-----------------------------------------------------------------|
| PBT assessment                     | The components of this product are not considered to be a PBT.  |
| vPvB assessment                    | The components of this product are not considered to be a vPvB. |

## 12.6 Endocrine disrupting properties

No data available.

## 12.7 Other adverse effects

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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****Product**

Waste code

08 01 11\*

waste paint and varnish containing organic solvents or other hazardous substances

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

**Packaging**

Residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer. Empty containers must be scrapped or reconditioned.

**SECTION 14: Transport information****14.1 Transport ADR/RID/ADN**

The product is not subject to ADR/RID/ADN regulations.

**14.2 Transport IMDG**

The product is not subject to IMDG regulations.

**14.3 Transport ICAO-TI / IATA**

The product is not subject to ICAO-TI / IATA regulations.

**14.4 Other information**

No data available.

**14.5 Environmental hazards**

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

**14.6 Special precautions for user**

Transport within the user's premises: Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**14.7 Maritime transport in bulk according to IMO instruments**

Not relevant

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations****Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)**

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

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

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

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

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

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| 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-butoxyethoxy)ethanol             | 112-34-5  | 203-961-6 | 75 |
| 3  | 2-butoxyethanol                       | 111-76-2  | 203-905-0 | 75 |
| 4  | formaldehyde                          | 50-00-0   | 200-001-8 | 75 |
| 5  | pyridine-2-thiol 1-oxide, sodium salt | 3811-73-2 | 223-296-5 | 75 |

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

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

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

VOC content 4.77 %

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

**National regulations****Other national regulations**

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

**15.2 Chemical safety assessment**

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

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

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

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

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

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

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

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

|        |                                                                 |
|--------|-----------------------------------------------------------------|
| 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.                            |
| H318   | Causes serious eye damage.                                      |
| H319   | Causes serious eye irritation.                                  |
| H330   | Fatal if inhaled.                                               |
| H331   | Toxic if inhaled.                                               |
| H332   | Harmful if inhaled.                                             |
| H372   | Causes damage to organs through prolonged or repeated exposure. |
| H400   | Very toxic to aquatic life.                                     |
| H411   | Toxic to aquatic life with long lasting effects.                |

**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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