

Bonding Primer

Revision date: 15 Sep 2021 Version: 1.3.0.0. Print date: 25 Sep 2021


**Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)**
**SECTION 1: Identification of the substance/mixture and of the company/undertaking**
**1.1. Product identifier**
**Trade name/designation:**

Bonding Primer

**Other means of identification:**

Wall Primer

**Article No.:**

2-155

**1.2. Relevant identified uses of the substance or mixture and uses advised against**
**Use of the substance/mixture:**

Paint

**1.3. Details of the supplier of the safety data sheet**
**Supplier (manufacturer/importer/only representative/downstream user/distributor):**

Earthborn  
 Frodsham Business  
 Centre Bridge Lane  
 Frodsham  
 WA6 7FZ  
 Telephone: 01928 734 171  
 Fax: 01928 731 732  
 E-mail: info@earthbornpaints.co.uk Website:  
 www.earthbornpaints.co.uk

**1.4. Emergency telephone number**

01928 734 171

**SECTION 2: Hazards identification**
**2.1. Classification of the substance or mixture**
**Classification according to Regulation (EC) No 1272/2008 [CLP]:**

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

**2.2. Label elements**
**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

According to EC directives or the corresponding national regulations the product does not have to be labelled.

**Hazard statements: -**
**Supplemental hazard information**

|        |   |
|--------|---|
| EUH208 | Contains 1,2-benzisothiazol-3(2H)-one, Reaction mass of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1).. May produce an allergic reaction. |
| EUH210 | Safety data sheet available on request.   |
| EUH211 | Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.  |

**Precautionary statements: -**
**2.3. Other hazards**
**Adverse environmental effects:**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

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### SECTION 3: Composition / information on ingredients

#### 3.2. Mixtures



##### Description:

mixture

##### Additional information:

This mixture contains  $\geq 1\%$  titanium dioxide (CAS 13463-67-7). Annex VI Classification of titanium dioxide does not apply to this mixture according to Note 10.

##### Hazardous ingredients / Hazardous impurities / Stabilisers:

| product identifiers                               | Substance name<br>Classification according to Regulation (EC) No 1272/2008<br>[CLP]  | Concentration               |
|---|--|-----------------------------|
| CAS No.: 2634-33-5<br>EC No.: 220-120-9           | <b>1,2-benzisothiazol-3(2H)-one</b><br>Acute Tox. 4 (H302), Aquatic Acute 1 (H400), Eye Dam. 1 (H318),<br>Skin Irrit. 2 (H315), Skin Sens. 1 (H317)<br> <b>Danger</b><br><b>Specific concentration limit (SCL)</b><br>Skin Sens. 1; H317: C $\geq 0.05\%$   | 0 - $\leq 0.03$<br>weight-% |
| CAS No.: 55965-84-9<br>Index No.:<br>613-167-00-5 | <b>Reaction mass of: 5-chloro-2-methyl-2H-isothiazol-3-one and<br/>2-methyl-2H-isothiazol-3-one (3:1).</b><br>Acute Tox. 2 (H330, H310), Acute Tox. 3 (H301),<br>Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410),<br>Eye Dam. 1 (H318), Skin Corr. 1C (H314), Skin Sens. 1A (H317)<br> <b>Danger</b> EUH071<br>M-factor (acute): 100 M-factor (chronic): 100<br><b>Specific concentration limit (SCL)</b><br>Skin Corr. 1C; H314: C $\geq 0.6\%$<br>Skin Irrit. 2; H315: $0.06\% \leq C < 0.6\%$<br>Eye Dam. 1; H318: C $\geq 0.6\%$<br>Eye Irrit. 2; H319: $0.06\% \leq C < 0.6\%$<br>Skin Sens. 1A; H317: C $\geq 0.002\%$ | 0 - $< 0.0015$<br>weight-%  |

Full text of H- and EUH-phrases: see section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended.

##### Following inhalation:

Provide fresh air. In case of respiratory tract irritation, consult a physician.

##### In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap.

##### After eye contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

##### Following ingestion:

Rinse mouth. Let water be drunken in little sips (dilution effect). Get medical advice/attention if you feel unwell.

##### Self-protection of the first aider:

First aider: Pay attention to self-protection!

#### 4.2. Most important symptoms and effects, both acute and delayed

No known symptoms to date.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media:

Water mist, alcohol resistant foam, Dry extinguishing powder

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**Unsuitable extinguishing media:**

Full water jet

**5.2. Special hazards arising from the substance or mixture**

The product itself does not burn.

**Hazardous combustion products:**

In case of fire: Gases/vapours, toxic

**5.3. Advice for firefighters**

Wear a self-contained breathing apparatus and chemical protective clothing.

**5.4. Additional information**

Co-ordinate fire-fighting measures to the fire surroundings. Do not allow run-off from fire-fighting to enter drains or water courses.

**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

**6.1.1. For non-emergency personnel**

**Personal precautions:**

Use personal protection equipment. Special danger of slipping by leaking/spilling product.

**Protective equipment:**

Wear protective gloves/protective clothing/eye protection/face protection.

**Emergency procedures:**

Provide adequate ventilation.

**6.1.2. For emergency responders**

**Personal protection equipment:**

Personal protection equipment: see section 8

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

**6.3. Methods and material for containment and cleaning up**

**For containment:**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

**For cleaning up:**

Water (with cleaning agent)

**6.4. Reference to other sections**

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

**6.5. Additional information**

Clear spills immediately. Use appropriate container to avoid environmental contamination.

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

**Protective measures**

**Advices on safe handling:**

Wear personal protection equipment (refer to section 8).

**Fire prevent measures:**

The product itself does not burn.

**Measures to prevent aerosol and dust generation:**

not relevant

**Environmental precautions:**

No special measures are necessary.

**Advices on general occupational hygiene**

When using do not eat, drink or smoke. Avoid contact with eyes and skin.

**7.2. Conditions for safe storage, including any incompatibilities**

**Technical measures and storage conditions:**

The product is stable under storage at normal ambient temperatures. Keep container tightly closed in a cool, well-ventilated place. not useable after freezing.

**Packaging materials:**

Keep/Store only in original container.

**Requirements for storage rooms and vessels:**

Keep container tightly closed in a cool, well-ventilated place.

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**Hints on storage assembly:**

not relevant

**Storage class (TRGS 510, Germany):** 12 - non-combustible liquids that cannot be assigned to any of the above storage classes

**7.3. Specific end use(s)**

**Recommendation:**

Observe technical data sheet.

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**8.1.1. Occupational exposure limit values**

| Limit value type (country of origin) | Substance name   | ① Long-term occupational exposure limit value<br>② short-term occupational exposure limit value<br>③ Instantaneous value<br>④ Monitoring and observation processes<br>⑤ Remark |
|--------------------------------------|--|--|
| WEL (GB)                             | calcium carbonate<br>CAS No.: 1317-65-3<br>EC No.: 215-279-6         | ① 10 mg/m <sup>3</sup><br>⑤ (inhalable fraction)   |
| WEL (GB)                             | calcium carbonate<br>CAS No.: 1317-65-3<br>EC No.: 215-279-6         | ① 4 mg/m <sup>3</sup><br>⑤ (respirable fraction)   |
| WEL (GB)                             | titanium dioxide<br>CAS No.: 13463-67-7<br>EC No.: 236-675-5         | ① 10 mg/m <sup>3</sup><br>⑤ (inhalable fraction)   |
| WEL (GB)                             | titanium dioxide<br>CAS No.: 13463-67-7<br>EC No.: 236-675-5         | ① 4 mg/m <sup>3</sup><br>⑤ (respirable fraction)   |
| WEL (GB)                             | Aluminum silicate hydrate<br>CAS No.: 1332-58-7<br>EC No.: 310-194-1 | ① 2 mg/m <sup>3</sup><br>⑤ (respirable fraction)   |
| WEL (GB)                             | Sodium hydroxide<br>CAS No.: 1310-73-2<br>EC No.: 215-185-5          | ② 2 mg/m <sup>3</sup>  |

**8.1.2. Biological limit values**

No data available

**8.1.3. DNEL-/PNEC-values**

No data available

**8.2. Exposure controls**

**8.2.1. Appropriate engineering controls**

See section 7. No additional measures necessary.

**8.2.2. Personal protection equipment**

**Eye/face protection:**

Eye glasses with side protection EN 166

**Skin protection:**

Tested protective gloves must be worn EN ISO 374 Suitable material: NBR (Nitrile rubber) In the case of wanting to use the gloves again, clean them before taking off and air them well. Breakthrough times and swelling properties of the material must be taken into consideration.

**Respiratory protection:**

Usually no personal respirative protection necessary.

**Thermal hazards:**

See chapter 7. No additional measures necessary.

**Other protection measures:**

Provide adequate ventilation.

**8.2.3. Environmental exposure controls**

No data available

**8.3. Additional information**

Avoid contact with eyes and skin. When using do not eat, drink or smoke. Wash hands before breaks and after work.

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## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

**Physical state:** Liquid

**Colour:** white

**Odour:** not determined

#### Safety relevant basis data

| parameter                                    |                              | at °C | Method | Remark |
|--|------------------------------|-------|--------|--------|
| pH   | 8 - 9                        | 20 °C |        |        |
| Melting point                                | <i>not determined</i>        |       |        |        |
| Freezing point                               | <i>not determined</i>        |       |        |        |
| Initial boiling point and boiling range      | <i>not determined</i>        |       |        |        |
| Decomposition temperature                    | <i>not determined</i>        |       |        |        |
| Flash point                                  | <i>not determined</i>        |       |        |        |
| Evaporation rate                             | <i>not determined</i>        |       |        |        |
| Auto-ignition temperature                    | <i>not determined</i>        |       |        |        |
| Upper/lower flammability or explosive limits | <i>not determined</i>        |       |        |        |
| Vapour pressure                              | <i>not determined</i>        |       |        |        |
| Vapour density                               | <i>not determined</i>        |       |        |        |
| Density                                      | 1.6 - 1.65 g/cm <sup>3</sup> | 20 °C |        |        |
| Relative density                             | <i>not determined</i>        |       |        |        |
| Bulk density                                 | <i>not determined</i>        |       |        |        |
| Water solubility                             | <i>not determined</i>        |       |        |        |
| Partition coefficient: n-octanol/water       | <i>not determined</i>        |       |        |        |
| Dynamic viscosity                            | <i>not determined</i>        |       |        |        |
| Kinematic viscosity                          | <i>not determined</i>        | 40 °C |        |        |

### 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is stable under storage at normal ambient temperatures.

### 10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

### 10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

### 10.4. Conditions to avoid

Frost , Heat . Protect from direct sunlight.

### 10.5. Incompatible materials

No hazardous reaction when handled and stored according to provisions.

### 10.6. Hazardous decomposition products

In case of fire may be liberated: Hazardous decomposition products : Carbon dioxide , Carbon monoxide

## SECTION 11: Toxicological information

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

| Substance name   | Toxicological information   |
|--|---|
| 1,2-benzisothiazol-3(2H)-one<br>CAS No.: 2634-33-5<br>EC No.: 220-120-9  | <b>LD<sub>50</sub> dermal:</b><br>2,000 mg/kg (Rat) OECD 402<br><b>LD<sub>50</sub> oral:</b><br>1,020 mg/kg (Rat) |
| Reaction mass of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1).<br>CAS No.: 55965-84-9 | <b>LD<sub>50</sub> oral:</b><br>53 mg/kg (Rat)  |

#### Acute oral toxicity:

Based on available data, the classification criteria are not met.

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**Acute dermal toxicity:**

Based on available data, the classification criteria are not met.

**Acute inhalation toxicity:**

Based on available data, the classification criteria are not met.

**Skin corrosion/irritation:**

Based on available data, the classification criteria are not met.

**Serious eye damage/irritation:**

Based on available data, the classification criteria are not met.

**Respiratory or skin sensitisation:**

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

**Germ cell mutagenicity:**

Based on available data, the classification criteria are not met.

**Carcinogenicity:**

Based on available data, the classification criteria are not met.

**Reproductive toxicity:**

Based on available data, the classification criteria are not met.

**STOT-single exposure:**

Based on available data, the classification criteria are not met.

**STOT-repeated exposure:**

Based on available data, the classification criteria are not met.

**Aspiration hazard:**

Based on available data, the classification criteria are not met.

**Additional information:**

No data available

**11.2. Information on other hazards**

No data available

**SECTION 12: Ecological information**

**12.1. Toxicity**

| Substance name   | Toxicological information  |
|--|--|
| 1,2-benzisothiazol-3(2H)-one<br>CAS No.: 2634-33-5<br>EC No.: 220-120-9  | <b>LC<sub>50</sub></b> : 0.8 mg/l 4 d (fish)<br><b>EC<sub>50</sub></b> : 4.4 mg/l 2 d (crustaceans)  |
| Reaction mass of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1).<br>CAS No.: 55965-84-9 | <b>LC<sub>50</sub></b> : >0.19 - <2.13 mg/l 4 d (fish)<br><b>LC<sub>50</sub></b> : =0.56 mg/l 2 d (crustaceans)<br><b>EC<sub>50</sub></b> : >0.18 - <13 mg/l 2 d (crustaceans)<br><b>EC<sub>50</sub></b> : =0.13 mg/l 3 d (Algae/water plant)<br><b>EC<sub>50</sub></b> : =0.06 mg/l 4 d (Algae/water plant)<br><b>LC<sub>50</sub></b> : >0.07 - <0.3 mg/l 4 d (fish)<br><b>LC<sub>50</sub></b> : =0.056 mg/l 2 d (crustaceans)<br><b>EC<sub>50</sub></b> : =0.18 mg/l 2 d (crustaceans) |

**12.2. Persistence and degradability**

No data available

**12.3. Bioaccumulative potential**

No data available

**12.4. Mobility in soil**

No data available

**12.5. Results of PBT and vPvB assessment**

| Substance name   | Results of PBT and vPvB assessment                                       |
|--|--|
| 1,2-benzisothiazol-3(2H)-one<br>CAS No.: 2634-33-5<br>EC No.: 220-120-9  | This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII. |
| Reaction mass of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1).<br>CAS No.: 55965-84-9 | This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII. |

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| Substance name | Results of PBT and vPvB assessment |
|----------------|------------------------------------|
|----------------|------------------------------------|

**12.6. Endocrine disrupting properties**

No data available

**12.7. Other adverse effects**

No data available

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

Recycle according to official regulations.

**13.1.1. Product/Packaging disposal**

Waste codes/waste designations according to EWC/AVV

**Waste code product:**

|          |  |
|----------|--|
| 08 01 12 | waste paint and varnish other than those mentioned in 08 01 11 |
|----------|--|

**Waste code packaging:**

**Remark:**

Dispose of waste according to applicable legislation.

**Waste treatment options**

**Appropriate disposal / Product:**

Dispose of waste according to applicable legislation.

**Appropriate disposal / Package:**

Non-contaminated packages may be recycled.

**SECTION 14: Transport information**

No dangerous good in sense of these transport regulations.

| Land transport (ADR/RID)                                   | Inland waterway craft (ADN)                                | Sea transport (IMDG)                                       | Air transport (ICAO-TI / IATA-DGR)                         |
|--|--|--|--|
| <b>14.1. UN number or ID number</b>                        |  |  |  |
| No dangerous good in sense of these transport regulations. | No dangerous good in sense of these transport regulations. | No dangerous good in sense of these transport regulations. | No dangerous good in sense of these transport regulations. |
| <b>14.2. UN proper shipping name</b>                       |  |  |  |
| No dangerous good in sense of these transport regulations. | No dangerous good in sense of these transport regulations. | No dangerous good in sense of these transport regulations. | No dangerous good in sense of these transport regulations. |
| <b>14.3. Transport hazard class(es)</b>                    |  |  |  |
| not relevant   |  |  |  |
| <b>14.4. Packing group</b>                                 |  |  |  |
| not relevant   |  |  |  |
| <b>14.5. Environmental hazards</b>                         |  |  |  |
| not relevant   |  |  |  |
| <b>14.6. Special precautions for user</b>                  |  |  |  |
| not relevant   |  |  |  |

**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**

**15.1.1. EU legislation**

**Authorisations:**

This product meets the requirements of Regulation (EC) No. 1935/2004 on the limitation of VOC content.

Maximum VOC content (g/L) of the product in a ready to use condition: 0,5

VOC product category: a

Type: Wb

VOC limit value: 30g/L

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**15.1.2. National regulations**

No data available

**15.2. Chemical Safety Assessment**

No data available

**SECTION 16: Other information**

**16.1. Indication of changes**

\* Data changed compared with the previous version

**16.2. Abbreviations and acronyms**

See overview table at [www.euphrac.eu](http://www.euphrac.eu)

**16.3. Key literature references and sources for data**

No data available

**16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]**

**Classification according to Regulation (EC) No 1272/2008 [CLP]:**

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

**16.5. Relevant R-, H- and EUH-phrases (Number and full text)**

| Hazard statements |   |
|-------------------|---|
| H301              | Toxic if swallowed.                                   |
| H302              | Harmful if swallowed.                                 |
| 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.                  |
| H318              | Causes serious eye damage.                            |
| H319              | Causes serious eye irritation.                        |
| H330              | Fatal if inhaled.                                     |
| H400              | Very toxic to aquatic life.                           |
| H410              | Very toxic to aquatic life with long lasting effects. |

| Supplemental hazard information |                                     |
|---------------------------------|-------------------------------------|
| EUH071                          | Corrosive to the respiratory tract. |

**16.6. Training advice**

No data available

**16.7. Additional information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.