

## RubberCover Water Based Bonding Adhesive WBA 2023

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

#### 1.1. Product identifier

**Product name** : RubberCover Water Based Bonding Adhesive WBA 2023  
**Registration number REACH** : Not applicable (mixture)  
**Product type REACH** : Mixture

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1 Relevant identified uses

Adhesive  
Professional use  
Construction

##### 1.2.2 Uses advised against

General population  
Other non-specified uses are excluded

#### 1.3. Details of the supplier of the safety data sheet

##### Supplier of the safety data sheet

Holcim Solutions and Products EMEA  
Ikaroslaan 75  
B-1930 Zaventem  
☎ +32 2 711 44 50  
compliance-emea-hbe@holcim.com

#### 1.4. Emergency telephone number

24h/24h :  
+32 14 58 45 45 (BIG)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

#### 2.2. Label elements

Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

##### Supplemental 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.

#### 2.3. Other hazards

Caution! Substance is absorbed through the skin

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

| Name<br>REACH Registration No                    | CAS No<br>EC No<br>List No | Conc. (C)         | Classification according to CLP                                                                                                                                        | Note    | Remark      | M-factors and<br>ATE                               |
|--------------------------------------------------|----------------------------|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------------|----------------------------------------------------|
| 1,2-benzisothiazol-3(2H)-one<br>01-2120761540-60 | 2634-33-5<br>220-120-9     | 0.025%<br>≤C<0.5% | Skin Sens. 1; H317<br>Acute Tox. 4; H302<br>Eye Dam. 1; H318<br>Skin Irrit. 2; H315<br>Aquatic Acute 1; H400<br>Skin Sens. 1; H317: C≥0,05%,<br>(CLP Annex VI (ATP 0)) | (1)(10) | Constituent | M: 1 (Acute,<br>ECHA<br>(registration<br>dossier)) |

## RubberCover Water Based Bonding Adhesive WBA 2023

|                                                                                                                   |                         |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |            |             |                                                                                  |
|-------------------------------------------------------------------------------------------------------------------|-------------------------|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------|----------------------------------------------------------------------------------|
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)<br>01-2120764691-48 | 55965-84-9<br>911-418-6 | 0.0002%<br>≤C<0.0015<br>% | Acute Tox. 2; H330<br>Acute Tox. 2; H310<br>Acute Tox. 3; H301<br>Skin Sens. 1A; H317<br>Skin Corr. 1C; H314<br>Eye Dam. 1; H318<br>Aquatic Acute 1; H400<br>Aquatic Chronic 1; H410<br>EUH071<br>Skin Irrit. 2; H315: 0,06%<br>≤C<0,6%, (CLP Annex VI (ATP 0))<br>Eye Dam. 1; H318: C≥0,6%, (CLP Annex VI (ATP 13))<br>Skin Corr. 1B; H314: C≥0,6%, (CLP Annex VI (ATP 0))<br>Eye Irrit. 2; H319: 0,06%<br>≤C<0,6%, (CLP Annex VI (ATP 0))<br>Skin Sens. 1A; H317: C≥0,0015%, (CLP Annex VI (ATP 13)) | (1)(2)(10) | Constituent | M: 100 (Acute, CLP Annex VI (ATP 13))<br>M: 100 (Chronic, CLP Annex VI (ATP 13)) |
| limestone                                                                                                         | 1317-65-3<br>215-279-6  | 1 %≤C<10%                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | (2)(1)     | Constituent |                                                                                  |

- (1) For H- and EUH-statements in full: see section 16  
 (2) Substance with a Community workplace exposure limit  
 (10) Subject to restrictions of Annex XVII of Regulation (EC) No. 1907/2006  
 (I) Exempted from registration under REACH according to Annex IV (Regulation (EC) No 1907/2006)  
 Note: numbers 9xx-xxx-x are provisional list numbers assigned by Echa pending an official EC inventory number

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General:

Observe (own) safety. If possible, approach victim and check vital functions. In case of injury and/or intoxication, call the European emergency number 112. Treat symptoms starting with most life-threatening injuries and disorders. Keep victim under observation, possibility of delayed symptoms.

##### After inhalation:

Remove victim into fresh air. In case of respiratory problems, consult a doctor/medical service.

##### After skin contact:

If possible, wipe up/dry remove chemical. Then rinse/shower immediately with (lukewarm) water. If irritation persists, consult a doctor/medical service.

##### After eye contact:

Rinse immediately with (lukewarm) water. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, consult a doctor/medical service.

##### After ingestion:

Rinse mouth with water. If you feel unwell, consult a doctor/medical service. Do not wait for symptoms to occur to consult Poison Center.

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

##### 4.2.1 Acute symptoms

###### After inhalation:

No effects known.

###### After skin contact:

No effects known.

###### After eye contact:

No effects known.

###### After ingestion:

No effects known.

##### 4.2.2 Delayed symptoms

No effects known.

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

If applicable and available it will be listed below.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### 5.1.1 Suitable extinguishing media:

Small fire: Quick-acting ABC powder extinguisher, Quick-acting BC powder extinguisher, Quick-acting class B foam extinguisher, Quick-acting CO2 extinguisher.

Major fire: Class B foam (alcohol-resistant), Water spray if puddle cannot expand.

##### 5.1.2 Unsuitable extinguishing media:

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Small fire: Water (quick-acting extinguisher, reel); risk of puddle expansion.

Major fire: Water; risk of puddle expansion.

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

In case of fire: possible release of toxic/corrosive gases/vapours. On burning: release of harmful gases/vapours e.g.: carbon monoxide - carbon dioxide and formation of metal oxides.

## 5.3. Advice for firefighters

### 5.3.1 Instructions:

No specific fire-fighting instructions required.

### 5.3.2 Special protective equipment for fire-fighters:

Gloves (EN 374). Protective clothing (EN 14605 or EN 13034). Heat/fire exposure: self-contained breathing apparatus (EN 136 + EN 137).

## SECTION 6: Accidental release measures

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

No naked flames. Exposure to fire/heat: keep upwind. Exposure to fire/heat: have neighbourhood close doors and windows.

#### 6.1.1 Protective equipment for non-emergency personnel

See section 8.2

#### 6.1.2 Protective equipment for emergency responders

Gloves (EN 374). Protective clothing (EN 14605 or EN 13034).

Suitable protective clothing

See section 8.2

### 6.2. Environmental precautions

Contain released product, collect/pump into suitable containers. Plug the leak, cut off the supply.

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

Take up liquid spill into inert absorbent material. Scoop absorbed substance into closing containers. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling.

### 6.4. Reference to other sections

See section 13.

## SECTION 7: Handling and storage

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

### 7.1. Precautions for safe handling

Keep away from naked flames/heat. In finely divided state: use spark-/explosionproof appliances. Finely divided: keep away from ignition sources/sparks. Observe strict hygiene. Keep container tightly closed.

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

#### 7.2.1 Safe storage requirements:

Meet the legal requirements. Store in a cool area. Store in a dry area. Store in a dark area. Protect against frost.

#### 7.2.2 Keep away from:

Heat sources.

#### 7.2.3 Suitable packaging material:

No data available

#### 7.2.4 Non suitable packaging material:

No data available

### 7.3. Specific end use(s)

If applicable and available, exposure scenarios are attached in annex. See information supplied by the manufacturer.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 Occupational exposure

##### a) Occupational exposure limit values

If limit values are applicable and available these will be listed below.

#### Belgium

|                        |                                          |                      |
|------------------------|------------------------------------------|----------------------|
| Calcium (carbonate de) | Time-weighted average exposure limit 8 h | 10 mg/m <sup>3</sup> |
|------------------------|------------------------------------------|----------------------|

#### France

|                        |                                                                                    |                      |
|------------------------|------------------------------------------------------------------------------------|----------------------|
| Calcium (carbonate de) | Time-weighted average exposure limit 8 h (VL: Valeur non réglementaire indicative) | 10 mg/m <sup>3</sup> |
|------------------------|------------------------------------------------------------------------------------|----------------------|

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## Germany

|                                                                                                               |                                                |                           |
|---------------------------------------------------------------------------------------------------------------|------------------------------------------------|---------------------------|
| 1,2-Benzisothiazol-3(2H)-on                                                                                   | vgl. Abschn. IIb                               |                           |
| 5-Chlor-2-methyl-2,3-dihydroisothiazol-3-on und 2-Methyl-2,3-dihydroisothiazol-3-on Gemisch im Verhältnis 3:1 | Time-weighted average exposure limit 8 h (MAK) | 0.2 mg/m <sup>3</sup> (1) |

(1) Einatembare Fraktion; UF: I(2)

## Austria

|                                                                                                                 |                       |                        |
|-----------------------------------------------------------------------------------------------------------------|-----------------------|------------------------|
| 5-Chlor-2-methyl-2,3-dihydroisothiazol-3-on und 2-Methyl-2,3-dihydroisothiazol-3-on (Gemisch im Verhältnis 3:1) | Tagesmittelwert (MAK) | 0.05 mg/m <sup>3</sup> |
|-----------------------------------------------------------------------------------------------------------------|-----------------------|------------------------|

## UK

|                           |                                                                                 |                      |
|---------------------------|---------------------------------------------------------------------------------|----------------------|
| Limestone respirable      | Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005)) | 4 mg/m <sup>3</sup>  |
| Limestone total inhalable | Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005)) | 10 mg/m <sup>3</sup> |

## b) National biological limit values

If limit values are applicable and available these will be listed below.

### 8.1.2 Sampling methods

If applicable and available it will be listed below.

### 8.1.3 Applicable limit values when using the substance or mixture as intended

If limit values are applicable and available these will be listed below.

### 8.1.4 Threshold values

#### DNEL/DMEL - Workers

##### 1,2-benzisothiazol-3(2H)-one

| Effect level (DNEL/DMEL) | Type                                  | Value                  | Remark |
|--------------------------|---------------------------------------|------------------------|--------|
| DNEL                     | Long-term systemic effects inhalation | 6.81 mg/m <sup>3</sup> |        |
|                          | Long-term systemic effects dermal     | 0.966 mg/kg bw/day     |        |

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

| Effect level (DNEL/DMEL) | Type                               | Value                  | Remark |
|--------------------------|------------------------------------|------------------------|--------|
| DNEL                     | Long-term local effects inhalation | 0.02 mg/m <sup>3</sup> |        |
|                          | Acute local effects inhalation     | 0.04 mg/m <sup>3</sup> |        |

#### DNEL/DMEL - General population

##### 1,2-benzisothiazol-3(2H)-one

| Effect level (DNEL/DMEL) | Type                                  | Value                 | Remark |
|--------------------------|---------------------------------------|-----------------------|--------|
| DNEL                     | Long-term systemic effects inhalation | 1.2 mg/m <sup>3</sup> |        |
|                          | Long-term systemic effects dermal     | 0.345 mg/kg bw/day    |        |

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

| Effect level (DNEL/DMEL) | Type                               | Value                  | Remark |
|--------------------------|------------------------------------|------------------------|--------|
| DNEL                     | Long-term local effects inhalation | 0.02 mg/m <sup>3</sup> |        |
|                          | Acute local effects inhalation     | 0.04 mg/m <sup>3</sup> |        |
|                          | Long-term systemic effects oral    | 0.09 mg/kg bw/day      |        |
|                          | Acute systemic effects oral        | 0.11 mg/kg bw/day      |        |

## PNEC

### 1,2-benzisothiazol-3(2H)-one

| Compartment                          | Value                  | Remark |
|--------------------------------------|------------------------|--------|
| Fresh water                          | 4.03 µg/l              |        |
| Fresh water (intermittent releases)  | 1.1 µg/l               |        |
| Marine water                         | 0.403 µg/l             |        |
| Marine water (intermittent releases) | 110 ng/l               |        |
| STP                                  | 1.03 mg/l              |        |
| Fresh water sediment                 | 49.9 µg/kg sediment dw |        |
| Marine water sediment                | 4.99 µg/kg sediment dw |        |
| Soil                                 | 3 mg/kg soil dw        |        |

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

| Compartment                          | Value                   | Remark |
|--------------------------------------|-------------------------|--------|
| Fresh water                          | 3.39 µg/l               |        |
| Fresh water (intermittent releases)  | 3.39 µg/l               |        |
| Marine water                         | 3.39 µg/l               |        |
| Marine water (intermittent releases) | 3.39 µg/l               |        |
| STP                                  | 0.23 mg/l               |        |
| Fresh water sediment                 | 0.027 mg/kg sediment dw |        |
| Marine water sediment                | 0.027 mg/kg sediment dw |        |
| Soil                                 | 0.01 mg/kg soil dw      |        |

### limestone

| Compartment | Value    | Remark |
|-------------|----------|--------|
| STP         | 100 mg/l |        |

### 8.1.5 Control banding

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If applicable and available it will be listed below.

## 8.2. Exposure controls

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

### 8.2.1 Appropriate engineering controls

Keep away from naked flames/heat. In finely divided state: use spark-/explosionproof appliances. Finely divided: keep away from ignition sources/sparks. Measure the concentration in the air regularly. Carry operations in the open/under local exhaust/ventilation or with respiratory protection.

### 8.2.2 Individual protection measures, such as personal protective equipment

Observe strict hygiene. Do not eat, drink or smoke during work.

#### a) Respiratory protection:

Full face mask with filter type A at conc. in air > exposure limit.

#### b) Hand protection:

Protective gloves against chemicals (EN 374).

| Materials      | Remark          |
|----------------|-----------------|
| nitrile rubber | Good resistance |

#### c) Eye protection:

Face shield (EN 166).

#### d) Skin protection:

Protective clothing (EN 14605 or EN 13034).

### 8.2.3 Environmental exposure controls:

See sections 6.2, 6.3 and 13

## SECTION 9: Physical and chemical properties

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

|                           |                                     |
|---------------------------|-------------------------------------|
| Physical form             | Liquid                              |
| Colour                    | White or off-white                  |
| Odour                     | Characteristic odour                |
| Odour threshold           | No data available in the literature |
| Melting point             | 0 °C                                |
| Boiling point             | 100 °C                              |
| Flammability              | Not classified as flammable         |
| Explosion limits          | No data available in the literature |
| Flash point               | No data available in the literature |
| Auto-ignition temperature | No data available in the literature |
| Decomposition temperature | No data available in the literature |
| pH                        | 7                                   |
| Kinematic viscosity       | > 20 mm <sup>2</sup> /s ; 40 °C     |
| Solubility                | Water ; complete                    |
| Log Kow                   | Not applicable (mixture)            |
| Vapour pressure           | 23 hPa ; 20 °C                      |
| Absolute density          | 1010 kg/m <sup>3</sup>              |
| Relative density          | 1.01                                |
| Relative vapour density   | No data available in the literature |
| Particle size             | Not applicable (liquid)             |

### 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Heating increases the fire hazard. Neutral reaction.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No data available.

### 10.4. Conditions to avoid

#### Precautionary measures

Keep away from naked flames/heat. In finely divided state: use spark-/explosionproof appliances. Finely divided: keep away from ignition sources/sparks.

### 10.5. Incompatible materials

No data available.

### 10.6. Hazardous decomposition products

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On burning: release of harmful gases/vapours e.g.: carbon monoxide - carbon dioxide and formation of metal oxides.

## SECTION 11: Toxicological information

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

#### 11.1.1 Test results

##### Acute toxicity

##### RubberCover Water Based Bonding Adhesive WBA 2023

No (test)data on the mixture available

Judgement is based on the relevant ingredients

##### 1,2-benzisothiazol-3(2H)-one

| Route of exposure | Parameter | Method                 | Value           | Exposure time | Species             | Value determination | Remark |
|-------------------|-----------|------------------------|-----------------|---------------|---------------------|---------------------|--------|
| Oral              | LD50      | Equivalent to OECD 401 | 490 mg/kg bw    |               | Rat (male / female) | Experimental value  |        |
| Dermal            | LD50      | OECD 402               | > 2000 mg/kg bw | 24 h          | Rat (male / female) | Experimental value  |        |
| Inhalation        |           |                        |                 |               |                     | Data waiving        |        |

##### reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

| Route of exposure | Parameter | Method   | Value          | Exposure time | Species             | Value determination | Remark                                      |
|-------------------|-----------|----------|----------------|---------------|---------------------|---------------------|---------------------------------------------|
| Oral              | LD50      | OECD 401 | 66 mg/kg bw    |               | Rat (male / female) | Experimental value  | Calculated by reference to active substance |
| Dermal            | LD50      | OECD 402 | > 141 mg/kg bw | 24 h          | Rat (male / female) | Experimental value  |                                             |
| Inhalation (dust) | LC50      | OECD 403 | 0.17 mg/l air  | 4 h           | Rat (male / female) | Experimental value  | Calculated by reference to active substance |

##### limestone

| Route of exposure | Parameter | Method | Value      | Exposure time | Species | Value determination | Remark |
|-------------------|-----------|--------|------------|---------------|---------|---------------------|--------|
| Oral              | LD50      |        | 6450 mg/kg |               | Rat     | Literature study    |        |

##### Conclusion

Not classified for acute toxicity

##### Corrosion/irritation

##### RubberCover Water Based Bonding Adhesive WBA 2023

No (test)data on the mixture available

Judgement is based on the relevant ingredients

##### 1,2-benzisothiazol-3(2H)-one

| Route of exposure | Result                 | Method       | Exposure time | Time point       | Species | Value determination | Remark |
|-------------------|------------------------|--------------|---------------|------------------|---------|---------------------|--------|
| Eye               | Serious eye damage     | EPA OPP 81-4 |               | 24; 48; 72 hours | Rabbit  | Experimental value  |        |
| Skin              | Slightly irritating    | EPA OPP 81-5 | 4 h           | 24; 48; 72 hours | Rabbit  | Experimental value  |        |
| Skin              | Irritating; category 2 |              |               |                  |         | Annex VI            |        |

##### reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

| Route of exposure | Result             | Method   | Exposure time | Time point                    | Species | Value determination | Remark                        |
|-------------------|--------------------|----------|---------------|-------------------------------|---------|---------------------|-------------------------------|
| Eye               | Serious eye damage |          |               | 1; 24; 48; 72 hrs; 7; 14 days | Rabbit  | Experimental value  | Single treatment with rinsing |
| Skin              | Corrosive          | OECD 404 | 4 h           |                               | Rabbit  | Experimental value  | Aqueous solution              |

##### limestone

| Route of exposure | Result              | Method | Exposure time | Time point | Species | Value determination | Remark |
|-------------------|---------------------|--------|---------------|------------|---------|---------------------|--------|
| Eye               | Slightly irritating |        |               |            |         | Literature study    |        |
| Skin              | Not irritating      |        |               |            |         | Literature study    |        |

##### Conclusion

Not classified as irritating to the respiratory system

Not classified as irritating to the skin

Not classified as irritating to the eyes

##### Respiratory or skin sensitisation

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No (test)data on the mixture available

Judgement is based on the relevant ingredients

1,2-benzisothiazol-3(2H)-one

| Route of exposure | Result      | Method       | Exposure time | Observation time point | Species             | Value determination | Remark |
|-------------------|-------------|--------------|---------------|------------------------|---------------------|---------------------|--------|
| Skin              | Sensitizing | EPA OPP 81-6 |               |                        | Guinea pig (female) | Experimental value  |        |

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

| Route of exposure | Result      | Method   | Exposure time | Observation time point | Species                    | Value determination | Remark |
|-------------------|-------------|----------|---------------|------------------------|----------------------------|---------------------|--------|
| Skin              | Sensitizing | OECD 406 |               |                        | Guinea pig (male / female) | Experimental value  |        |

### Conclusion

Not classified as sensitizing for inhalation

Not classified as sensitizing for skin

### Specific target organ toxicity

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No (test)data on the mixture available

Judgement is based on the relevant ingredients

1,2-benzisothiazol-3(2H)-one

| Route of exposure | Parameter | Method       | Value           | Organ | Effect    | Exposure time | Species             | Value determination |
|-------------------|-----------|--------------|-----------------|-------|-----------|---------------|---------------------|---------------------|
| Oral (diet)       | NOAEL     | EPA OPP 82-1 | 69 mg/kg bw/day |       | No effect | 90 day(s)     | Rat (male / female) | Experimental value  |
| Dermal            |           |              |                 |       |           |               |                     | Data waiving        |
| Inhalation        |           |              |                 |       |           |               |                     | Data waiving        |

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

| Route of exposure    | Parameter              | Method       | Value              | Organ | Effect                      | Exposure time                      | Species             | Value determination |
|----------------------|------------------------|--------------|--------------------|-------|-----------------------------|------------------------------------|---------------------|---------------------|
| Oral (diet)          | NOAEL systemic effects | OECD 409     | 22 mg/kg bw/day    |       | No adverse systemic effects | 13 weeks (7 days / week)           | Dog (male / female) | Experimental value  |
| Dermal               | NOAEL systemic effects | EPA OPP 82-3 | 2.625 mg/kg bw/day |       | No adverse systemic effects | 13 weeks (6h / day, 5 days / week) | Rat (male / female) | Experimental value  |
| Dermal               | NOAEC local effects    | EPA OPP 82-3 | 0.105 mg/kg bw/day | Skin  | No effect                   | 13 weeks (6h / day, 5 days / week) | Rat (male / female) | Experimental value  |
| Inhalation (aerosol) | NOAEL                  | OECD 413     | 0.34 mg/m³ air     |       | No effect                   | 13 weeks (6h / day, 5 days / week) | Rat (male / female) | Experimental value  |

### Conclusion

Not classified for subchronic toxicity

### Mutagenicity (in vitro)

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No (test)data on the mixture available

Judgement is based on the relevant ingredients

1,2-benzisothiazol-3(2H)-one

| Result                                                                    | Method   | Test substrate                | Effect | Value determination | Remark |
|---------------------------------------------------------------------------|----------|-------------------------------|--------|---------------------|--------|
| Negative with metabolic activation, negative without metabolic activation | OECD 476 | Mouse (lymphoma L5178Y cells) |        | Experimental value  |        |
| Positive with metabolic activation, positive without metabolic activation | OECD 473 | Human lymphocytes             |        | Experimental value  |        |
| Negative with metabolic activation, negative without metabolic activation | OECD 471 | Bacteria (S.typhimurium)      |        | Experimental value  |        |

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reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

| Result                                                                    | Method       | Test substrate                        | Effect | Value determination | Remark           |
|---------------------------------------------------------------------------|--------------|---------------------------------------|--------|---------------------|------------------|
| Positive with metabolic activation, positive without metabolic activation | EPA OPP 84-2 | Bacteria (S. typhimurium and E. coli) |        | Experimental value  | Aqueous solution |
| Positive with metabolic activation, positive without metabolic activation | OECD 476     | Mouse (lymphoma L5178Y cells)         |        | Experimental value  | Aqueous solution |

## Mutagenicity (in vivo)

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No (test)data on the mixture available

Judgement is based on the relevant ingredients

1,2-benzisothiazol-3(2H)-one

| Result                         | Method   | Exposure time | Test substrate | Organ | Value determination |
|--------------------------------|----------|---------------|----------------|-------|---------------------|
| Negative (Oral (stomach tube)) | OECD 486 |               | Rat (male)     |       | Experimental value  |

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

| Result                         | Method       | Exposure time              | Test substrate        | Organ | Value determination |
|--------------------------------|--------------|----------------------------|-----------------------|-------|---------------------|
| Negative (Oral (stomach tube)) | EPA OPP 84-2 | 2 dose(s)/24-hour interval | Mouse (male / female) |       | Experimental value  |

## Conclusion

Not classified for mutagenic or genotoxic toxicity

## Carcinogenicity

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No (test)data on the mixture available

Judgement is based on the relevant ingredients

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

| Route of exposure     | Parameter | Method   | Value   | Exposure time | Species             | Effect                 | Organ | Value determination |
|-----------------------|-----------|----------|---------|---------------|---------------------|------------------------|-------|---------------------|
| Oral (drinking water) | NOEL      | OECD 453 | 300 ppm | 24 month(s)   | Rat (male / female) | No carcinogenic effect |       | Experimental value  |

## Conclusion

Not classified for carcinogenicity

## Reproductive toxicity

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No (test)data on the mixture available

Judgement is based on the relevant ingredients

1,2-benzisothiazol-3(2H)-one

|                                    | Parameter | Method             | Value            | Exposure time | Species    | Effect    | Organ                             | Value determination |
|------------------------------------|-----------|--------------------|------------------|---------------|------------|-----------|-----------------------------------|---------------------|
| Effects on fertility (Oral (diet)) | NOAEL     | EPA OPPTS 870.3800 | 112 mg/kg bw/day | 18 week(s)    | Rat (male) | No effect | sperm parameters or estrous cycle | Experimental value  |

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

|                                              | Parameter | Method       | Value               | Exposure time              | Species             | Effect            | Organ | Value determination |
|----------------------------------------------|-----------|--------------|---------------------|----------------------------|---------------------|-------------------|-------|---------------------|
| Developmental toxicity (Oral (stomach tube)) | NOAEL     | EPA OPP 83-3 | ≥ 19.6 mg/kg bw/day | 10 days (gestation, daily) | Rat                 | No effect         |       | Experimental value  |
| Maternal toxicity (Oral (stomach tube))      | LOAEL     | EPA OPP 83-3 | 28 mg/kg bw/day     | 10 days (gestation, daily) | Rat                 | Maternal toxicity |       | Experimental value  |
| Effects on fertility (Oral (drinking water)) | NOAEL     | OECD 416     | 30 ppm              | 10 week(s)                 | Rat (male / female) | No effect         |       |                     |

## Conclusion

Not classified for reprotoxic or developmental toxicity

## Aspiration hazard

Judgement is based on the relevant ingredients

Not classified for aspiration toxicity

## Toxicity other effects

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No (test)data on the mixture available

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## Chronic effects from short and long-term exposure

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Skin rash/inflammation.

### 11.2. Information on other hazards

No evidence of endocrine disrupting properties

## SECTION 12: Ecological information

### 12.1. Toxicity

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No (test)data on the mixture available

Judgement of the mixture is based on the relevant ingredients

1,2-benzisothiazol-3(2H)-one

|                                         | Parameter | Method   | Value    | Duration | Species                         | Test design   | Fresh/salt water | Value determination                       |
|-----------------------------------------|-----------|----------|----------|----------|---------------------------------|---------------|------------------|-------------------------------------------|
| Acute toxicity fishes                   | LC50      | OECD 203 | 2.2 mg/l | 96 h     | Oncorhynchus mykiss             | Static system |                  | Experimental value; Nominal concentration |
| Acute toxicity crustacea                | EC50      | OECD 202 | 2.9 mg/l | 48 h     | Daphnia magna                   | Static system |                  | Experimental value; Lethal                |
| Toxicity algae and other aquatic plants | ErC50     | OECD 201 | 150 µg/l | 72 h     | Pseudokirchneriella subcapitata |               |                  | Experimental value; GLP                   |
| Toxicity aquatic micro-organisms        | EC50      | OECD 209 | 13 mg/l  | 3 h      | Activated sludge                |               |                  | Experimental value; Respiration           |

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

|                                         | Parameter | Method       | Value      | Duration  | Species              | Test design         | Fresh/salt water | Value determination                       |
|-----------------------------------------|-----------|--------------|------------|-----------|----------------------|---------------------|------------------|-------------------------------------------|
| Acute toxicity fishes                   | LC50      | EPA OPP 72-1 | 0.19 mg/l  | 96 h      | Oncorhynchus mykiss  | Flow-through system | Fresh water      | Experimental value; GLP                   |
| Acute toxicity crustacea                | EC50      |              | 0.007 mg/l | 48 h      | Acartia tonsa        |                     | Salt water       | Experimental value; GLP                   |
| Toxicity algae and other aquatic plants | NOEC      | OECD 201     | 0.49 µg/l  | 48 h      | Skeletonema costatum | Static system       | Salt water       | Experimental value; Growth rate           |
|                                         | ErC50     | OECD 201     | 19.9 µg/l  | 72 h      | Skeletonema costatum | Static system       | Salt water       | Experimental value; GLP                   |
| Long-term toxicity fish                 | NOEC      | OECD 210     | 46.4 µg/l  | 35 day(s) | Danio rerio          | Flow-through system | Fresh water      | Experimental value; GLP                   |
| Long-term toxicity aquatic crustacea    | NOEC      | EPA OPP 72-4 | 0.1 mg/l   | 21 day(s) | Daphnia magna        | Flow-through system | Fresh water      | Experimental value; Nominal concentration |

limestone

|                                         | Parameter | Method | Value        | Duration | Species                 | Test design | Fresh/salt water | Value determination |
|-----------------------------------------|-----------|--------|--------------|----------|-------------------------|-------------|------------------|---------------------|
| Acute toxicity fishes                   | LC50      |        | > 10000 mg/l | 96 h     | Oncorhynchus mykiss     |             |                  | Literature study    |
| Acute toxicity crustacea                | EC50      |        | > 1000 mg/l  | 48 h     | Daphnia magna           |             |                  | Literature study    |
| Toxicity algae and other aquatic plants | EC50      |        | > 200 mg/l   | 72 h     | Desmodesmus subspicatus |             |                  | Literature study    |

### Conclusion

Not classified as dangerous for the environment according to the criteria of Regulation (EC) No 1272/2008

### 12.2. Persistence and degradability

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

#### Biodegradation water

| Method    | Value            | Duration  | Value determination |
|-----------|------------------|-----------|---------------------|
| OECD 301B | 48 % - 56 %; GLP | 28 day(s) | Experimental value  |

### Conclusion

#### Water

Contains non readily biodegradable component(s)

### 12.3. Bioaccumulative potential

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Log Kow

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# RubberCover Water Based Bonding Adhesive WBA 2023

| Method | Remark                   | Value | Temperature | Value determination |
|--------|--------------------------|-------|-------------|---------------------|
|        | Not applicable (mixture) |       |             |                     |

## 1,2-benzisothiazol-3(2H)-one

### BCF fishes

| Parameter | Method                 | Value             | Duration  | Species             | Value determination |
|-----------|------------------------|-------------------|-----------|---------------------|---------------------|
| BCF       | Equivalent to OECD 305 | 6.6; Fresh weight | 56 day(s) | Lepomis macrochirus | Experimental value  |

### Log Kow

| Method        | Remark | Value       | Temperature | Value determination |
|---------------|--------|-------------|-------------|---------------------|
| EU Method A.8 |        | -0.9 - 0.99 | 20 °C       | Experimental value  |

## reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

### BCF fishes

| Parameter | Method   | Value                 | Duration  | Species             | Value determination |
|-----------|----------|-----------------------|-----------|---------------------|---------------------|
| BCF       | OECD 305 | 41 - 54; Fresh weight | 28 day(s) | Lepomis macrochirus | Experimental value  |

### Log Kow

| Method   | Remark | Value       | Temperature | Value determination |
|----------|--------|-------------|-------------|---------------------|
| OECD 117 |        | -0.32 - 0.7 | 20 °C       | Experimental value  |

## limestone

### Log Kow

| Method | Remark                     | Value | Temperature | Value determination |
|--------|----------------------------|-------|-------------|---------------------|
|        | Not applicable (inorganic) |       |             |                     |

### Conclusion

Does not contain bioaccumulative component(s)

## 12.4. Mobility in soil

### 1,2-benzisothiazol-3(2H)-one

#### (log) Koc

| Parameter | Method   | Value | Value determination |
|-----------|----------|-------|---------------------|
| log Koc   | OECD 121 | 0.97  | Experimental value  |

## reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

#### (log) Koc

| Parameter | Method   | Value    | Value determination |
|-----------|----------|----------|---------------------|
| Koc       | OECD 106 | 6.4 - 10 | Experimental value  |
| log Koc   |          | 0.81 - 1 | Calculated value    |

### Conclusion

Contains component(s) with potential for mobility in the soil

## 12.5. Results of PBT and vPvB assessment

Does not contain component(s) that meet(s) the criteria of PBT and/or vPvB as listed in Annex XIII of Regulation (EC) No 1907/2006.

## 12.6. Endocrine disrupting properties

No evidence of endocrine disrupting properties

## 12.7. Other adverse effects

### RubberCover Water Based Bonding Adhesive WBA 2023

#### Greenhouse gases

None of the known components is included in the list of fluorinated greenhouse gases (Regulation (EU) No 517/2014)

#### Ozone-depleting potential (ODP)

Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009)

## reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

#### Groundwater

Groundwater pollutant

# SECTION 13: Disposal considerations

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

## 13.1. Waste treatment methods

### 13.1.1 Provisions relating to waste

#### European Union

Can be considered as non hazardous waste according to Directive 2008/98/EC, as amended by Regulation (EU) No 1357/2014 and Regulation (EU) No 2017/997. The waste code must be assigned by the user, preferably in consultation with the (environmental) authorities concerned.

### 13.1.2 Disposal methods

Remove waste in accordance with local and/or national regulations. Should not be landfilled with household waste. Do not discharge into drains or the environment. Dispose of at authorized waste collection point.

### 13.1.3 Packaging/Container

No data available

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# RubberCover Water Based Bonding Adhesive WBA 2023

## SECTION 14: Transport information

Road (ADR), Rail (RID), Inland waterways (ADN), Sea (IMDG/IMSBC), Air (ICAO-TI/IATA-DGR)

|                                                               |                                          |                                         |
|---------------------------------------------------------------|------------------------------------------|-----------------------------------------|
| 14.1. UN number/ID number                                     | Transport                                | Not subject                             |
| 14.2. UN proper shipping name                                 |                                          |                                         |
| 14.3. Transport hazard class(es)                              |                                          |                                         |
|                                                               | Hazard identification number             |                                         |
|                                                               | Class                                    |                                         |
|                                                               | Classification code                      |                                         |
| 14.4. Packing group                                           |                                          |                                         |
|                                                               | Packing group                            |                                         |
|                                                               | Labels                                   |                                         |
| 14.5. Environmental hazards                                   |                                          |                                         |
|                                                               | Environmentally hazardous substance mark | no                                      |
| 14.6. Special precautions for user                            |                                          |                                         |
|                                                               | Special provisions                       |                                         |
|                                                               | Limited quantities                       |                                         |
| 14.7. Maritime transport in bulk according to IMO instruments |                                          |                                         |
|                                                               | Annex II of MARPOL 73/78                 | Not applicable, based on available data |

## SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

**European legislation:**

VOC content Directive 2010/75/EU

| VOC content | Remark |
|-------------|--------|
| 0 %         |        |

Directive 2012/18/EU (Seveso III)

Not subject to registration according to Directive 2012/18/EU (Seveso III)

REACH Annex XVII - Restriction

Contains component(s) subject to restrictions of Annex XVII of Regulation (EC) No 1907/2006: restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles.

|                                                                                                                                   | Designation of the substance, of the group of substances or of the mixture                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Conditions of restriction                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| · 1,2-benzisothiazol-3(2H)-one<br>· reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | Substances falling within one or more of the following points:<br>(a) substances classified as any of the following in Part 3 of Annex VI to Regulation (EC) No 1272/2008:<br>— carcinogen category 1A, 1B or 2, or germ cell mutagen category 1A, 1B or 2, but excluding any such substances classified due to effects only following exposure by inhalation<br>— reproductive toxicant category 1A, 1B or 2 but excluding any such substances classified due to effects only following exposure by inhalation<br>— skin sensitiser category 1, 1A or 1B<br>— skin corrosive category 1, 1A, 1B or 1C or skin irritant category 2<br>— serious eye damage category 1 or eye irritant category 2<br>(b) substances listed in Annex II to Regulation (EC) No 1223/2009 of the European Parliament and of the Council<br>(c) substances listed in Annex IV to Regulation (EC) No 1223/2009 for which a condition is specified in at least one of the columns g, h and i of the table in that Annex (d) substances listed in Appendix 13 to this Annex.<br>The ancillary requirements in paragraphs 7 and 8 of column 2 of this entry apply to all mixtures for use for tattooing purposes, whether or not they contain a substance falling within points (a) to (d) of this column of this entry. | Mixtures for tattooing purposes are subject to the restrictions of Regulation (EU) 2020/2081 |

**National legislation Belgium**

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No data available

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## National legislation The Netherlands

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|                      |                                             |
|----------------------|---------------------------------------------|
| Waterbezwaarlijkheid | A (3); Algemene Beoordelingsmethodiek (ABM) |
|----------------------|---------------------------------------------|

## National legislation France

RubberCover Water Based Bonding Adhesive WBA 2023

No data available

## National legislation Germany

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|                                                                                               |                                                                                              |
|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| WGK                                                                                           | 1; Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (AwSV) - 18. April 2017 |
| 1,2-benzisothiazol-3(2H)-one                                                                  |                                                                                              |
| TA-Luft                                                                                       | 5.2.1                                                                                        |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) |                                                                                              |
| TA-Luft                                                                                       | 5.2.5/I                                                                                      |
| limestone                                                                                     |                                                                                              |
| TA-Luft                                                                                       | 5.2.1                                                                                        |

## National legislation Austria

RubberCover Water Based Bonding Adhesive WBA 2023

No data available

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

|                                      |                                                                                                                         |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Gefahr der Sensibilisierung der Haut | 5-Chlor-2-methyl-2,3- dihydroisothiazol-3-on und 2- Methyl-2,3-di-hydroisothiazol- 3-on (Gemisch im Verhältnis 3:1); Sh |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------|

## National legislation United Kingdom

RubberCover Water Based Bonding Adhesive WBA 2023

No data available

## Other relevant data

RubberCover Water Based Bonding Adhesive WBA 2023

No data available

## 15.2. Chemical safety assessment

No chemical safety assessment is required for a mixture.

## SECTION 16: Other information

### Full text of any H- and EUH-statements referred to under section 3:

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.  
H330 Fatal if inhaled.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
EUH071 Corrosive to the respiratory tract.  
EUH210 Safety data sheet available on request.  
EUH208 Contains a sensitising substance. May produce an allergic reaction.

|              |                                                                                   |
|--------------|-----------------------------------------------------------------------------------|
| (*)          | INTERNAL CLASSIFICATION BY BIG                                                    |
| ADI          | Acceptable daily intake                                                           |
| AOEL         | Acceptable operator exposure level                                                |
| ATE          | Acute Toxicity Estimate                                                           |
| BCF          | Bioconcentration Factor                                                           |
| BEI          | Biological Exposure Indices                                                       |
| CLP (EU-GHS) | Classification, labelling and packaging (Globally Harmonised System in Europe)    |
| DMEL         | Derived Minimal Effect Level                                                      |
| DNEL         | Derived No Effect Level                                                           |
| EC10         | Effect Concentration 10 %                                                         |
| EC50         | Effect Concentration 50 %                                                         |
| ErC50        | EC50 in terms of reduction of growth rate                                         |
| GLP          | Good Laboratory Practice                                                          |
| LC0          | Lethal Concentration 0 %                                                          |
| LC50         | Lethal Concentration 50 %                                                         |
| LD50         | Lethal Dose 50 %                                                                  |
| LOAEC/LOAEL  | Lowest Observed Adverse Effect Concentration/Lowest Observed Adverse Effect Level |
| NOAEC/NOAEL  | No Observed Adverse Effect Concentration/No Observed Adverse Effect Level         |
| NOEC/NOEL    | No Observed Effect Concentration/No Observed Effect Level                         |
| OECD         | Organisation for Economic Co-operation and Development                            |
| PBT          | Persistent, Bioaccumulative & Toxic                                               |
| PNEC         | Predicted No Effect Concentration                                                 |

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## RubberCover Water Based Bonding Adhesive WBA 2023

STP  
vPvB

Sludge Treatment Process  
very Persistent & very Bioaccumulative

The information in this safety data sheet is based on data and samples provided to BIG. The sheet was written to the best of our ability and according to the state of knowledge at that time. The safety data sheet only constitutes a guideline for the safe handling, use, consumption, storage, transport and disposal of the substances/preparations/mixtures mentioned under point 1. New safety data sheets are written from time to time. Only the most recent versions may be used. Unless indicated otherwise word for word on the safety data sheet, the information does not apply to substances/preparations/mixtures in purer form, mixed with other substances or in processes. The safety data sheet offers no quality specification for the substances/preparations/mixtures in question. Compliance with the instructions in this safety data sheet does not release the user from the obligation to take all measures dictated by common sense, regulations and recommendations or which are necessary and/or useful based on the real applicable circumstances. BIG does not guarantee the accuracy or exhaustiveness of the information provided and cannot be held liable for any changes by third parties. This safety data sheet is only to be used within the European Union, Switzerland, Iceland, Norway and Liechtenstein. Any use outside of this area is at your own risk. Use of this safety data sheet is subject to the licence and liability limiting conditions as stated in your BIG licence agreement or when this is failing the general conditions of BIG. All intellectual property rights to this sheet are the property of BIG and its distribution and reproduction are limited. Consult the mentioned agreement/conditions for details.

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