



# TECHNICAL DATA SHEET

## TOOLFIX UNIVERSAL FRAME & SANITARY SILICONE



Toolfix Universal Frame & Sanitary sealant is a premium grade acetoxy curing silicone that contains anti-fungal compounds to prevent mould growth in areas subject to high humidity levels.

Conforms to ISO 11600 F&G 20 LM Construction.

**COLOURS** White - AEL670 / Clear - AEL671 / Brown - AEL672

**PACKAGING** 310ml Cartridge packed 1 x 25

### USES

Sealing around door & window frames, sealing glass to glass and glass to aluminium, sealing around pipes and sanitary. Adheres to most non-porous surfaces. Not suitable for double glazed units.

### PREPARATION

Surfaces must be clean, dry and dust free. Old cured silicone can be removed with Silicone Remover.

### APPLICATION

Cut the cartridge seal and screw on the nozzle which should be cut to your required size. Using a skeleton gun, apply firmly into the gap or joint ensuring a good solid fill. When sealing around baths, fill the bath half full with water before applying to provide the mid point for joint movement; empty bath 6 hours after application. If required use masking tape along edges removing within 5 minutes of application. In deep joints reduce the joint depth to 50% of the joint width using expanding foam or joint backer rod.

### FINISHING

Always tool down using a spatula or stick wetted with soapy water within 5 minutes of application. Usually tack free within 30 minutes under normal conditions. It is the user's responsibility to dispose of all packaging correctly.

## HEALTH & SAFETY

This product contains a biocide (4,5-dichloro-2-octyl-2H-isothiazol-3-one (DCOIT) CAS nr: 64359-81-5) for the preservation of the cured sealant. May produce an allergic reaction. Safety Data sheet available on request. Keep out of the reach of children. Do not take internally. Use only in well ventilated areas. If after inhalation one feels unwell then supply fresh air. After any skin contact wash off immediately. After eye contact wash open eye for several minutes under running water. If any symptoms persist consult a doctor and take the cartridge with you.

## LIMITATIONS

Porous surfaces may require priming. Not recommended for use with aquaria or on concrete, marble, lead, copper, galvansied steel, PE, PP, PMMA, PC, PTFE and bituminous surfaces. It is the users responsibility to determine suitability. Store between +5° to +25° in cool dry conditions.

## LIABILITY

The information given is the result of our tests and experience and is believed to be accurate and reliable. However, as we cannot know all the possible uses and surfaces this product may encounter, it is the user's responsibility to determine suitability and ensure safe use of the product.

| TECHNICAL DATA          | TOOLFIX FRAME & SANITARY SILICONE            |
|-------------------------|--|
| Movement accommodation  | ± 25%  |
| Shrinkage               | None   |
| Skinning Time           | 5 minutes @ -20°C                            |
| Cure Time               | 2mm / 24 hours                               |
| Hardness Shore A        | 19   |
| Temperature Resistance  | -50°C to +180°C                              |
| Modulus                 | 0.4N/mm <sup>2</sup>                         |
| Elongation              | 500%   |
| Specific Gravity        | 1.04   |
| Paintability            | Not recommended                              |
| Maintenance             | With same material                           |
| Application Temperature | +5°C to +30°C                                |
| Cleaning                | Uncured material with White Spirit or M.E.K. |
| Shelf Life              | 12 months                                    |
| Storage                 | +5°C to +25°C                                |
| Minimum Joint Width     | 4mm  |
| Maximum Joint Width     | 25mm   |
| Minimum Joint Depth     | 6mm  |
| Maximum Joint Depth     | 10mm   |

## QUANTITY ESTIMATOR

In order to estimate the number of cartridges needed, follow this equation:

$$\text{Width (mm) X Depth (mm) X Length (m)} \div 310 = \text{number of cartridges}$$

*Please use this equation as an estimation only.*

For example: 10mm wide X 6mm Depth X 10m Length = 600 / 600 ÷ 310 = 1.94

So 2 cartridges would be required to complete the job.



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## DECLARATION OF PERFORMANCE

In accordance with Annex III of Regulation (EU) No. 305/2011  
(Construction Product Regulation)

**DoP nr. TF/SIL/52001045-01**

**1. Unique identification code of product-type:**

**Toolfix Universal Frame & Sanitary Silicone**

**2. Type, batch or serial number or any other element allowing identification of the construction product as required to Article 11 (4):**

**Batch number: See product packaging**

**3. Intended use or uses of construction product, in accordance with applicable harmonized technical specification, as foreseen by the manufacturer:**

**EN 15651-1: F-EXT-INT-CC (CLASS 20LM)**

**EN 15651-2: G-CC (CLASS 20LM)**

**EN 15651-3: S (CLASS XS1)**

**Sealants for façade elements**

**Sealants for glazing**

**Sealants for sanitary joints**

**4. Name, registered name or registered trade mark and contact address for the manufacture as required to Article 11 (5):**

**Toolfix Joinery & Construction Supplies Ltd, Pentagon House, 12 Newark Road, Peterborough, PE1 5UA**

**5. Name and contact address of the authorized representative whose mandate covers the task specified in Article 12 (2): **not relevant****

**6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:**

**System 3**

**System 3 for reaction to fire**

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t: 01733 347348 f: 01733 316790

e: enquiries@toolfixservices.com

[www.toolfixservices.com](http://www.toolfixservices.com)

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**DoP nr. TF/SIL/52001045-01**  
**Toolfix Universal Frame & Sanitary Silicone**

**7. In case of declaration of performance concerning a construction product covered by a harmonized standard:**

The notified body SKZ – TeConA GmbH (1213) performed the initial type testing according to EN 15651-1 / EN 15651-2 / EN 15651-3 and reaction to fire under system 3 and issued a test report.

**8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued: not relevant**

**9. Declared performance**

**Conditioning:** Procedure B (according to ISO 8340)

**Substrate:** Glass (without primer)  
Anodised aluminium (without primer)

| Essential characteristics  | Performance | Harmonized technical specification |
|--|-------------|------------------------------------|
| Reaction to fire   | Class E     | EN 15651-1:2012                    |
| Release of chemical dangerous to the environment and health                      | NPD (*)     |                                    |
| Water tightness and air tightness  |             |                                    |
| Resistance to flow   | ≤ 3 mm      |                                    |
| Loss of volume   | ≤ 10 %      |                                    |
| Tensile properties at maintained extension after water immersion                 | NF          |                                    |
| Tensile properties (secant modulus) for use in cold climate areas (-30°C)        | ≤ 0,9 MPa   |                                    |
| Tensile properties at maintained extension for use in cold climate areas (-30°C) | NF          |                                    |
| Durability   | Pass        |                                    |



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**DoP nr. TF/SIL/52001045-01**  
**Toolfix Universal Frame & Sanitary Silicone**

| Essential characteristics   | Performance | Harmonized technical specification |
|---|-------------|------------------------------------|
| Reaction to fire  | Class E     | EN 15651-2:2012                    |
| Release of chemical dangerous to the environment and health                       | NPD (*)     |                                    |
| Water tightness and air tightness   |             |                                    |
| Loss of volume  | ≤ 10 %      |                                    |
| Vertical flow resistance  | ≤ 3 mm      |                                    |
| Adhesion / cohesion properties after exposure to heat, water and artificial light | NF          |                                    |
| Elastic recovery  | ≥ 60 %      |                                    |
| Tensile properties (secant modulus) for use in cold climate areas (-30°C)         | ≤ 0,9 MPa   |                                    |
| Tensile properties at maintained extension for use in cold climate areas (-30°C)  | NF          |                                    |
| Durability  | Pass        |                                    |

| Essential characteristics  | Performance | Harmonized technical specification |
|--|-------------|------------------------------------|
| Reaction to fire   | Class E     | EN 15651-3:2012                    |
| Release of chemical dangerous to the environment and health      | NPD (*)     |                                    |
| Water tightness and air tightness                                |             |                                    |
| Vertical flow resistance   | ≤ 3 mm      |                                    |
| Loss of volume   | ≤ 20 %      |                                    |
| Tensile properties at maintained extension after water immersion | NF          |                                    |
| Microbiological growth   | 1           |                                    |
| Durability   | Pass        |                                    |

(\*) See material safety data sheet

NPD: No Performance Determined

NF: No Failure



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**DoP nr. TF/SIL/52001045-01  
Toolfix Universal Frame & Sanitary Silicone**

**Where pursuant in Article 37 or 38 the Specific Technical Documentation has been used, the requirements with which the product complies: not relevant**

**10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.**

**Signed for and on behalf of the manufacturer by**

**Anthony Burt**

**Director**

**Toolfix Joinery & Construction Supplies Limited**

**18/11/2014**



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**Toolfix Universal Frame & Sanitary Silicone**  
**DoP nr. TF/SIL/52001045-01**

**EN 15651-1**

**Sealants for non-structural use in joints  
in buildings and pedestrian walkways  
Part 1: Sealants for facade elements  
for interior and exterior application  
(intended for use in cold climates)**

**F-EXT-INT-CC**

**Conditioning:** Procedure B (according to ISO 8340)  
**Substrate:** Glass (without primer)  
Anodised aluminium (without primer)

| Essential characteristics  | Performance | Harmonized technical specification |
|--|-------------|------------------------------------|
| Reaction to fire   | Class E     | <b>EN 15651-1:2012</b>             |
| Release of chemical dangerous to the environment and health                      | NPD (*)     |                                    |
| Water tightness and air tightness  |             |                                    |
| Resistance to flow   | ≤ 3 mm      |                                    |
| Loss of volume   | ≤ 10 %      |                                    |
| Tensile properties at maintained extension after water immersion                 | NF          |                                    |
| Tensile properties (secant modulus) for use in cold climate areas (-30°C)        | ≤ 0,9 MPa   |                                    |
| Tensile properties at maintained extension for use in cold climate areas (-30°C) | NF          |                                    |
| Durability   | Pass        |                                    |

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**Toolfix Universal Frame & Sanitary Silicone**  
**DoP nr. TF/SIL/52001045-01**

**EN 15651-2**

**Sealants for non-structural use in joints  
in buildings and pedestrian walkways**  
**Part 2: Sealants for glazing**  
**(intended for use in cold climates)**

**G-CC**

**Conditioning:** Procedure B (according to ISO 8340)  
**Substrate:** Glass (without primer)  
Anodised aluminium (without primer)

| Essential characteristics   | Performance | Harmonized technical specification |
|---|-------------|------------------------------------|
| Reaction to fire  | Class E     | <b>EN 15651-2:2012</b>             |
| Release of chemical dangerous to the environment and health                       | NPD (*)     |                                    |
| Water tightness and air tightness   |             |                                    |
| Loss of volume  | ≤ 10 %      |                                    |
| Vertical flow resistance  | ≤ 3 mm      |                                    |
| Adhesion / cohesion properties after exposure to heat, water and artificial light | NF          |                                    |
| Elastic recovery  | ≥ 60 %      |                                    |
| Tensile properties (secant modulus) for use in cold climate areas (-30°C)         | ≤ 0,9 MPa   |                                    |
| Tensile properties at maintained extension for use in cold climate areas (-30°C)  | NF          |                                    |
| Durability  | Pass        |                                    |

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**Toolfix Universal Frame & Sanitary Silicone**  
**DoP nr. TF/SIL/52001045-01**

**EN 15651-3**

**Sealants for non-structural use in joints  
in buildings and pedestrian walkways  
Part 3: Sealants for sanitary joints**

**S**

**Conditioning:** Procedure B (according to ISO 8340)  
**Substrate:** Glass (without primer)  
Anodised aluminium (without primer)

| Essential characteristics  | Performance | Harmonized technical specification |
|--|-------------|------------------------------------|
| Reaction to fire   | Class E     | <b>EN 15651-3:2012</b>             |
| Release of chemical dangerous to the environment and health      | NPD (*)     |                                    |
| Water tightness and air tightness                                |             |                                    |
| Vertical flow resistance   | ≤ 3 mm      |                                    |
| Loss of volume   | ≤ 20 %      |                                    |
| Tensile properties at maintained extension after water immersion | NF          |                                    |
| Microbiological growth   | 1           |                                    |
| Durability   | Pass        |                                    |

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

- **1.1 Product identifier**
- **Trade name:** TOOLFIX UNIVERSAL FRAME & SANITARY SILICONE
  
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Sealant
  
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
SIROFLEX LIMITED  
Dodworth Business Park  
Dodworth  
Barnsley  
South Yorkshire  
S75 3SP  
Tel: 01226 771600  
Fax: 01226 771601
- **Further information obtainable from:**  
[www.siroflex.co.uk](http://www.siroflex.co.uk)  
[info@siroflex.co.uk](mailto:info@siroflex.co.uk)
- **1.4 Emergency telephone number:**  
Tel: 01226 771600 (Office Hours Only)

## SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
The product is not classified according to the CLP regulation.

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- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Not applicable.
- **Information concerning particular hazards for human and environment:**  
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Classification system:**  
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

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- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Additional information:**  
Contains 4,5-dichloro-2-octyl-2H-isothiazol-3-one. May produce an allergic reaction.  
Safety data sheet available on request.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.



Trade name: TOOLFIX UNIVERSAL FRAME & SANITARY SILICONE

(Contd. of page 1)

### SECTION 3: Composition/information on ingredients

#### 3.2 Chemical characterization: Mixtures

· **Description:** Mixture of substances listed below with nonhazardous additions.

#### · Dangerous components:

|                                      |   |       |
|--------------------------------------|---|-------|
| CAS: 64359-81-5<br>EINECS: 264-843-8 | 4,5-dichloro-2-octyl-2H-isothiazol-3-one<br>T R23; C R34; Xn R22; Xi R43; N R50<br>Acute Tox. 2, H330; Skin Corr. 1C, H314; Aquatic Acute 1, H400; Acute Tox. 4, H302; Skin Sens. 1, H317 | <1.0% |
|--------------------------------------|---|-------|

· **Additional information:** For the wording of the listed risk phrases refer to section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.

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

No further relevant information available.

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

No further relevant information available.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

· **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.

· **5.2 Special hazards arising from the substance or mixture** No further relevant information available.

#### 5.3 Advice for firefighters

· **Protective equipment:** Mouth respiratory protective device.

### SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures** Ensure adequate ventilation

· **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

· **6.3 Methods and material for containment and cleaning up:** Pick up mechanically.

#### 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

### SECTION 7: Handling and storage

· **7.1 Precautions for safe handling** Use only in well ventilated areas.

· **Information about fire - and explosion protection:** No special measures required.

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

· **Storage:**

· **Requirements to be met by storerooms and receptacles:** No special requirements.

· **Information about storage in one common storage facility:** Not required.

(Contd. on page 3)

**Den Braven**

Date: 07.11.2014

**Safety data sheet**  
according to 453/2010/EC

Replaces: 23.05.2014

Ref: 0068.12.DB/DL

**Trade name: TOOLFIX UNIVERSAL FRAME & SANITARY SILICONE**

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- **Further information about storage conditions:** None.
- **7.3 Specific end use(s)** No further relevant information available.

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

- **Additional information about design of technical facilities:** No further data; see item 7.
- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:** Not required.
- **Protection of hands:**  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Not required.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****General Information****Appearance:**

- |                           |                    |
|---------------------------|--------------------|
| · <b>Form:</b>            | Pasty              |
| · <b>Colour:</b>          | Various colours    |
| · <b>Odour:</b>           | Like ethanoic acid |
| · <b>Odour threshold:</b> | Not determined.    |

- |                    |                 |
|--------------------|-----------------|
| · <b>pH-value:</b> | Not applicable. |
|--------------------|-----------------|

**Change in condition**

- |                                       |               |
|---------------------------------------|---------------|
| · <b>Melting point/Melting range:</b> | Undetermined. |
| · <b>Boiling point/Boiling range:</b> | Undetermined. |

- |                       |          |
|-----------------------|----------|
| · <b>Flash point:</b> | > 100 °C |
|-----------------------|----------|

- |   |                 |
|---|-----------------|
| · <b>Flammability (solid, gaseous):</b> | Not determined. |
|---|-----------------|

- |                                |               |
|--------------------------------|---------------|
| · <b>Ignition temperature:</b> | Undetermined. |
|--------------------------------|---------------|

(Contd. on page 4)

**Den Braven**

Date: 07.11.2014

**Safety data sheet**  
according to 453/2010/EC

Replaces: 23.05.2014

Ref: 0068.12.DB/DL

**Trade name: TOOLFIX UNIVERSAL FRAME & SANITARY SILICONE**

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|   |   |
|---|---|
| · <b>Decomposition temperature:</b>               | Not determined.                               |
| · <b>Self-igniting:</b>                           | Product is not selfigniting.                  |
| · <b>Danger of explosion:</b>                     | Product does not present an explosion hazard. |
| · <b>Explosion limits:</b>                        |   |
| <b>Lower:</b>                                     | Undetermined.                                 |
| <b>Upper:</b>                                     | Undetermined.                                 |
| · <b>Vapour pressure:</b>                         | Undetermined.                                 |
| · <b>Density at 20 °C:</b>                        | 1.02 g/cm <sup>3</sup>                        |
| · <b>Relative density</b>                         | Not determined.                               |
| · <b>Vapour density</b>                           | Not applicable.                               |
| · <b>Evaporation rate</b>                         | Not applicable.                               |
| · <b>Solubility in / Miscibility with water:</b>  | Insoluble.                                    |
| · <b>Partition coefficient (n-octanol/water):</b> | Not determined.                               |
| · <b>Viscosity:</b>                               |   |
| <b>Dynamic:</b>                                   | Not applicable.                               |
| <b>Kinematic:</b>                                 | Not applicable.                               |
| · <b>Solvent content:</b>                         |   |
| <b>VOC (EC)</b>                                   | 0.00 %  |
| · <b>9.2 Other information</b>                    | No further relevant information available.    |

**SECTION 10: Stability and reactivity**

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

**SECTION 11: Toxicological information**

- **11.1 Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**  
The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.  
When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

-GB-

(Contd. on page 5)



Trade name: TOOLFIX UNIVERSAL FRAME & SANITARY SILICONE

(Contd. of page 4)

**SECTION 12: Ecological information**

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

**SECTION 13: Disposal considerations**

- **13.1 Waste treatment methods**
- **Recommendation** Disposal must be made according to official regulations.

· **European waste catalogue**

|           |  |
|-----------|--|
| 08 04 09* | waste adhesives and sealants containing organic solvents or other dangerous substances |
|-----------|--|

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

**SECTION 14: Transport information**

- |   |                 |
|---|-----------------|
| · <b>14.1 UN-Number</b>   |                 |
| · <b>ADR, ADN, IMDG, IATA</b>   | Void            |
| · <b>14.2 UN proper shipping name</b>   |                 |
| · <b>ADR, ADN, IMDG, IATA</b>   | Void            |
| · <b>14.3 Transport hazard class(es)</b>  |                 |
| · <b>ADR, ADN, IMDG, IATA</b>   |                 |
| · <b>Class</b>  | Void            |
| · <b>14.4 Packing group</b>   |                 |
| · <b>ADR, IMDG, IATA</b>  | Void            |
| · <b>14.5 Environmental hazards:</b>  |                 |
| · <b>Marine pollutant:</b>  | No              |
| · <b>14.6 Special precautions for user</b>  | Not applicable. |
| · <b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> | Not applicable. |
| · <b>UN "Model Regulation":</b>   | -               |

GB

(Contd. on page 6)



**Den Braven**

Date: 07.11.2014

**Safety data sheet**  
according to 453/2010/EC

Replaces: 23.05.2014

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Ref: 0068.12.DB/DL

**Trade name: TOOLFIX UNIVERSAL FRAME & SANITARY SILICONE**

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**SECTION 15: Regulatory information**

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling of 'treated articles' according to Regulation (EU) 528/2012, Article 58**  
This product contains a biocidal product for the preservation of the dry film.  
Contains: 4,5 dichloro-2-oxytl-2H-isothiazol-3-one (CAS: 64359-81-5)
- **National regulations:**
- **Other regulations, limitations and prohibitive regulations -**
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

- H302 Harmful if swallowed.
- H314 Causes severe skin burns and eye damage.
- H317 May cause an allergic skin reaction.
- H330 Fatal if inhaled.
- H400 Very toxic to aquatic life.
- R22 Harmful if swallowed.
- R23 Toxic by inhalation.
- R34 Causes burns.
- R43 May cause sensitisation by skin contact.
- R50 Very toxic to aquatic organisms.

· **Department issuing MSDS:** Product safety department.

· **Contact:** Pascal Timmermans / Kees van Bommel

· **Abbreviations and acronyms:**

- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonized System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- VOC: Volatile Organic Compounds (USA, EU)
- Acute Tox. 4: Acute toxicity, Hazard Category 4
- Acute Tox. 2: Acute toxicity, Hazard Category 2
- Skin Corr. 1C: Skin corrosion/irritation, Hazard Category 1C
- Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
- Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1

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