Health & Safety

1. Identification of the substances / preparation and company

1.1 Product identifier: Glasroc X Sealant

1.2 Product use: Sealant / adhesive

1.3 Details of the supplier of the safety data sheet:

Supplier: British Gypsum
East Leake
Loughborough
Leicestershire
LE12 6HX

Telephone: 0115 945 6263
Email: bgtechnical.enquiries@bpb.com

This information reflects typical values and is not a product specification.

1.4 Emergency telephone number:

Telephone: 0115 945 6123 (+44 115 945 6123)
Opening hours: 8:30am - 5:00pm Monday - Friday (GMT)

NB - Language of the phone service is English.

2. Hazards identification

2.1 Classification of the substance or mixture:

Type of product: Mixture

Classification (Regulation (EC) No. 1272/2008)

Eye irritation: H319
Causes serious eye irritation.

2.2 Other hazards

Labelling (Regulation (EC) No. 1272/2008)
Signal word: Warning

Hazard Statements:

H319 - Causes serious eye irritation. Category 2.

Precautionary Statements:

P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P103 - Read label before use.

Prevention:

P280 - Wear / protective gloves / eye protection / face protection.

Response:

P305 + P351 + P338 - If in any eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 - If eye irritation persists: Get medical advice / attention

2.3 Other hazards

This substance / mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
3. Composition / information on ingredients

3.2 Mixtures

Hazardous ingredients:

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Concentration (%)</th>
<th>CAS No.</th>
<th>EC No.</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trimethoxyvinylsilane</td>
<td>&gt;= 1 - &lt;2.5</td>
<td>2768-02-7</td>
<td>220-449-8</td>
<td>Acute Tox. 4: H332, Flam. Liq. 3: H226</td>
</tr>
<tr>
<td>bis (ethyl acetoacetato-o1',03) bis (2-methylpropan-1-olato) titanium</td>
<td>&gt;= 1 - &lt;2.5</td>
<td>83877-91-2</td>
<td>281-161-6</td>
<td>Flam. Liq. 3: H226, Skin Irrit. 2: H315, Eye Dam. 1: H318, STOT SE 3: H335, STOT SE 3: H336</td>
</tr>
</tbody>
</table>

4. First aid measures

4.1 Description of first aid measures:

**General**
Move out of dangerous area. Seek medical advice. Show this safety data sheet to the doctor in attendance.

**Skin contact**
Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. If symptoms persist, seek medical advice.

**Eye contact**
Immediately flush eye(s) with plenty of water. Remove contact lenses. Keep eye wide open while rinsing. If eye irritation persists, seek medical advice.

**Inhalation**
Move to fresh air. Consult a doctor after significant exposure.

**Ingestion**
Do not induce vomiting without medical advice. Rinse mouth with water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person.

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

**Symptoms**
Excessive lachrymation. See section II for more detailed information on health effects and symptoms.

**Risks**
Irritant effects. Cause serious eye irritation.

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

**Treatment**
 Treat symptomatically.

5. Fire fighting measures

5.1 Extinguishing media:
Suitable extinguishing media for the surrounding fire should be used.

5.2 Special hazards arising from the substance or mixture:
Exposure hazards: No hazardous combustion products are known.

5.3 Advice for fire fighters:
In the even of fire, wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:
Use personal protective equipment. Deny access to unprotected persons.

6.3 Methods and material for containment and cleaning up:
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in a suitable, closed container for disposal.

6.4 Reference to other sections:
For personal protection see section 8.

7. Handling and storage

7.1 Precautions for safe handling:
Advice on safe handling: Avoid exceeding the given occupational exposure limits (see section 8). Do not get in eyes, on skin or on clothing. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Follow standard hygiene measures when handling chemical products.

Advice on protection against fire and explosion: Normal measures for preventative fire protection.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities:
Requirements for storage areas and containers: Keep container tightly closed in a dry and well-ventilated place. Store in accordance with local regulations.

Other data: No decomposition if stored and applied as directed.
Health & Safety

7.3 Specific end use(s):
No data available.

8. Exposure controls / personal protection

8.1 Control parameters:
Components with workplace control parameters:

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No</th>
<th>Value</th>
<th>Control parameters</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methanol</td>
<td>67-56-1</td>
<td>TWA 200ppm 266mg/m³</td>
<td>GB EH40</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEL 250ppm 333mg/m³</td>
<td>GB EH40</td>
<td></td>
</tr>
</tbody>
</table>

Occupational exposure limits of decomposition products:

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No</th>
<th>Value</th>
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<td>GB EH40</td>
<td></td>
</tr>
</tbody>
</table>

NB - The above mentioned values are in accordance with the legislation in effect at the date of the release of this safety data sheet.

DNEL:
methanol:
End use: Workers
Exposure routes: Skin contact
Exposure time: 8 hours
Value: 40 mg/m³

End use: Consumers
Exposure routes: Skin contact
Exposure time: 8 hours
Value: 260 mg/m³

PNEC:
methanol

8.2 Exposure controls:

Personal protective equipment

Eyes
Safety glasses with side shields. Eye wash bottle with pure water.

Hands
Chemical-resistant, impervious gloves complying with an approved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manufacturer specifications.

Suitable for short time use or protection against splashes:
Butyl rubber/nitrile rubber gloves (0.4 mm). Contaminated gloves should be removed.

Suitable for permanent exposure:
Viton gloves (0.4 mm), breakthrough time >30 min.

Skin
Protective clothing (e.g. Safety shoes acc. to EN ISO 20345, long-sleeved working clothing, long trousers). Rubber aprons and protective boots are additionally recommended for mixing and stirring work.

Respiratory
Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Organic vapor filter (Type A)
A1: < 1000 ppm; A2: < 5000 ppm; A3: < 10000 ppm

Ensure adequate ventilation. This can be achieved by local exhaust extraction or by general ventilation. (EN 689 - Methods for determining inhalation exposure). This applies in particular to the mixing / stirring area. In case this is not sufficient to keep the concentrations under the occupational exposure limits then respiration protection measures must be used.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties:
State: Paste
Colour: Dark grey
Odour: No data available
Odour threshold: No data available
Flash point: 61°C
Autoignition temperature: No data available
Lower explosion limit (Vol-%): No data available
Upper explosion limit (Vol-%): No data available
Flammability: No data available
Oxidizing properties: No data available
pH: No data available
Melting point / range / Freezing point: No data available
Boiling point/boiling range: No data available
**Health & Safety**

Vapour pressure: 0.01 hPa  
Density: ca. 1.35 g/cm³ at 20 °C  
Water solubility: Insoluble  
Partition coefficient, n-octanol / water: No data available  
Viscosity, dynamic: No data available  
Viscosity, kinematic: > 20.5 mm²/s at 40 °C  
Relative vapour density: No data available  
Evaporation rate: No data available  

9.2 Other information:  
No data available

10. Stability and reactivity

10.1 Reactivity:  
No dangerous reaction known under conditions of normal use.

10.2 Chemical Stability:  
The product is chemically stable.

10.3 Possibility of hazardous reactions:  
Hazardous reactions: Stable under recommended storage conditions.

10.4 Conditions to avoid:  
Conditions to avoid: No data available.

10.5 Incompatible materials:  
Materials to avoid: No data available.

10.6 Hazardous decomposition products:  
Hazardous decomposition products: No decomposition if stored and applied as directed.

11. Toxicology information

11.1 Information on toxicological effects:  
Acute toxicity: Not classified based on available information.

Components:  
trimethoxyvinylsilane:  
Acute oral toxicity: LD₅₀ Oral (Rat): ca. 7.120 mg/kg  
Acute inhalation toxicity: LC₅₀: ca. 16.8 mg/l  
Exposure time: 4 hours  
Acute dermal toxicity: LD₅₀: 3.540 mg/kg

methanol:  
Acute oral toxicity: Acute toxicity estimate: 100 mg/kg  
Method: Converted acute toxicity point estimate  
Acute inhalation toxicity: Acute toxicity estimate: 3 mg/l  
Exposure time: 4 hours  
Test atmosphere: vapour  
Method: Converted acute toxicity point estimate  
Acute dermal toxicity: Acute toxicity estimate: 300 mg/kg  
Method: Converted acute toxicity point estimate  
Skin corrosion/irritation: Not classified based on available information.  
Serious eye damage/eye irritation: Causes serious eye irritation.

Respiratory or skin sensitisation: Skin sensitisation: Not classified based on available information. Respiratory sensitisation: Not classified based on available information.

Germ cell mutagenicity: Not classified based on available information.

Carcinogenicity: Not classified based on available information.

Reproductive toxicity: Not classified based on available information.

STOT - single exposure: Not classified based on available information.

STOT - repeated exposure: Not classified based on available information.

Aspiration Toxicity: Not classified based on available information.

12. Ecological information

12.1 Toxicity:  
No data available.

12.2 Persistence and degradability:  
No data available.

12.3 Bioaccumulative potential:  
No data available.

12.4 Mobility in soil:  
No data available.

12.5 Results of PBT and vPvB assessment:  
This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects:  
No data available.
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13. Disposal consideration

13.1 Waste treatment methods:

Product: The generation of waste should be avoided or minimized wherever possible.

Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way.

Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.

Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

European Waste Catalogue: 08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09

Contaminated packaging: 15 01 10* packaging containing residues of or contaminated by dangerous substances.

14. Transport information

ADR: Not dangerous goods.

IATA: Not dangerous goods.

IMDG: Not dangerous goods.

14.6 Special precautions for user:

No data available.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:

Not applicable.

15. Regulatory information

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

Prohibition/Restriction

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII): Not applicable.

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59): None of the components are listed (=> 0.1 %).

REACH - List of substances subject to authorisation (Annex XIV): Not applicable.

REACH Information: All substances contained in our Products are:

- Preregistered or registered by our upstream suppliers, and/or preregistered or registered by us, and/or
- Excluded from the regulation, and/or
- Exempted from the registration.


VOC-CH (VOCV) : 0.21 % no VOC duties

VOC-EU (solvent): 0.21 %

If other regulatory information applies that is not already provided elsewhere in the Safety Data Sheet, then it is described in this subsection.

Health, safety and environmental regulation/legislation specific for the substance or mixture:

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002

Control of Substances Hazardous to Health Regulations 2002 The Management of Health and Safety at Work Regulations 1999

Health and Safety at Work Act 1974

Environmental Protection Act 1990 & Subsidiary Regulations

15.2 Chemical safety assessment:

This product contains substances for which Chemical Safety Assessments are still required.

16. Other information

Full text of H-Statements:

H226: Flammable liquid and vapour.

H301: Toxic if swallowed.

H311: Toxic in contact with skin.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H331: Toxic if inhaled.

H332: Harmful if inhaled.

H335: May cause respiratory irritation.

H336: May cause drowsiness or dizziness.

H370: Causes damage to organs if inhaled.
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Full text of other abbreviations:
Acute Tox. Acute toxicity
Eye Dam. Serious eye damage
Flam. Liq. Flammable liquids
Skin Irrit. Skin irritation
STOT SE Specific target organ toxicity - single exposure
ADR Accord européen relatif au transport international des marchandises. Dangereuses par Route
CAS Chemical Abstracts Service
DNEL Derived no-effect level
EC50 Half maximal effective concentration
GHS Globally Harmonized System
IATA International Air Transport Association
IMDG International Maritime Code for Dangerous Goods
LD50 Median lethal dose (the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals)
LC50 Median lethal concentration (concentrations of the chemical in air that kills 50% of the test animals during the observation period)
MARPOL International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978

OEL Occupational Exposure Limit
PBT Persistent, bioaccumulative and toxic
PNEC Predicted no effect concentration
SVHC Substances of Very High Concern
vPvB Very persistent and very bioaccumulative

The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the product data sheet prior to any use and processing.

Note to user: This Safety Data Sheet does not constitute a workplace risk assessment for COSHH.

Date of previous version: N/A

British Gypsum reserves the right to revise product specification without notice. The information herein should not be read in isolation as it is meant only as guidance for the user; who should always ensure that they are fully conversant with the products and systems being used and their subsequent installation prior to the commencement of work. For a comprehensive and up-to-date library of information visit the British Gypsum website at british-gypsum.com. For information about products supplied by Artex Limited or Saint-Gobain Isover please see their respective websites.

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