

Safety Data Sheet according to regulation (EC) N°1907/2006, 1272/2008(CLP) & 453/2010  
Date Revised : 10/07/2023 Revision : 16  
Product : **GLASSBOND SAUEREISEN N° 31 LIQUID**

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/ MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1 Product Identifier**

Product name : GLASSBOND SAUEREISEN N° 31 LIQUID  
REACH notes : Mixture- Substances contained in this product that are not classified as hazardous have been/will be registered for UK/EU REACH at the appropriate time.

**1.2 Relevant identified uses of the mixture and uses advised against.**

Identified use : High temperature adhesive and sealant  
Uses advised against : No other uses

**1.3 Details of the supplier of the safety data sheet**

Company identification Glassbond (NW) Ltd  
West Side Industrial Estate  
Jackson Street  
St. Helens  
Merseyside WA9 3AT  
United Kingdom

Telephone +44(0)1744 730334  
Fax +44(0)1744 451661  
Email technical@glassbond.co.uk

**1.4 Emergency telephone number** +44(0)1744 730334  
(GMT, English spoken, Mon-Friday; 08.30-16.30)

**SECTION 2: HAZARDS IDENTIFICATION\*****2.1 Classification of the mixture: calculation method**

**2.1.1** Regulation (EC) No. 1272/2008(CLP)  
Physical/Chemical NOT CLASSIFIED  
Human health Eye damage 2, Skin Irritant 2  
Environmental NOT CLASSIFIED

**2.2 Label elements According to Regulation (EC) No. 1272/2008(CLP)**

GHS07

|                            |       |   |
|----------------------------|-------|---|
| SIGNAL WORD (S)            |       | Warning   |
| HAZARD STATEMENT(S)        | H315  | Causes skin irritation. Cat2  |
|                            | H319  | Causes serious eye irritation. Cat2   |
| PRECAUTIONARY STATEMENT(S) | P280  | Wear protective gloves /protective clothing/eye protection/face protection  |
|                            | P305+ | IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing |
|                            | P351+ |   |
|                            | P338  |   |

### 2.3 Other Hazards

PBT: This mixture contains no substances considered as PBT  
vPvB: This mixture contains no substances considered as vPvB

**2.4 Additional information** For full text of H/P phrases see section 16 if not written out in full above.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS\*

**3.1** Substances (This product is a mixture according to EU legislation)

**3.2** Mixture of inorganic powders

| Hazardous ingredient | % w/w | CAS N°    | EC N°     | REACH N°         | CPL EC 1272/2008                            |
|----------------------|-------|-----------|-----------|------------------|---|
| Sodium silicate      | 30-35 | 1344-09-8 | 215-687-4 | 01-2119448725-31 | H319: Eye damage 2<br>H315: Skin Irritant 2 |
|                      |       |           |           |                  |   |
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|                      |       |           |           |                  |   |

### 3.3 Additional information

For full text of H/P phrases see section 16 if not written out in full above.

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

|                |   |
|----------------|---|
| General advice | Take off contaminated clothing and wash before re-use (P362), take care not to contaminate unaffected areas.  |
| Inhalation     | IF INHALED (aerosol) remove victim to fresh air and keep at rest in a position comfortable for breathing.   |
| Eyes           | IF IN EYES rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305 + P351 + P338)<br>If eye irritation persists: Get medical attention (P337+P313) |
| Skin           | IF ON SKIN wash exposed areas thoroughly after handling (P264)<br>If skin irritation or rash occurs get medical attention (P332+P313)   |
| Ingestion      | IF SWALLOWED: Rinse mouth (P301+P330). Obtain medical attention immediately, show this safety data sheet.   |

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

|          |  |
|----------|--|
| Symptoms | Eye contact- May cause serious eye irritation (highly alkaline). |
| Risks    | No information available   |

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

|           |   |
|-----------|---|
| Treatment | Treat according to symptoms (decontamination, vital functions), no known specific antidote. |
|-----------|---|

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## SECTION 5: FIRE FIGHTING MEASURES

### 5.1 Extinguishing media:

Aqueous solution. Not combustible.

### 5.2 Special hazards arising from the mixture

The liquid will not burn but the packaging is combustible.

### 5.3 Advice for fire fighters

No special measures required.

**Further information:** The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing media must be disposed of in accordance with official regulation.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal Precautions, protective equipment and emergency procedures

Use personal protective clothing.

### 6.2 Environmental Precautions

Prevent contamination of soil, drains and surface waters. Do not discharge contaminated water/ fire-fighting water into drains/ surface water/ groundwater.

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

Soak up with inert absorbent (e.g., sand). Dispose of material in accordance with official regulations.

### 6.4 Reference to other sections

For personal protection see section 8 and disposal section 13

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Advice on safe handling Avoid contact with skin and eyes. Practice good housekeeping. Always replace cap after use. For PPE see section 8. Wash contaminated clothing before reuse (P363)

Advice on protection against fire and explosion Normal measures for preventive fire protection

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

Keep containers tightly closed. Store locked up (P405), under cover, in a well-ventilated, cool, dry place and away from direct sunlight or heat. Protect from freezing. Protect from temperatures below: 4 °C  
Protect from temperatures above: 40 °C  
Suitable storage materials: Original containers.  
Higher temperatures will reduce the shelf life of the product. Under normal conditions (21°C) a shelf life of 12 months or more is possible.

### 7.3 Specific end use(s) As per section 1.2

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### 8.1.1 Occupational Exposure Limits: OEL (Occupational Exposure Standard OES)

|                 |         | mg/m <sup>3</sup> | ppm | Note               |
|-----------------|---------|-------------------|-----|--------------------|
|                 | TWA     | -                 |     | (EH40 UK) OES 8 hr |
|                 | TWA     | -                 |     | (EH40 UK)          |
|                 | TLV-TWA | -                 |     | (ACIGH)            |
|                 | STEL    | -                 |     |                    |
| Sodium silicate | TWA     | 2.0               |     | recommended        |
|                 | TWA     | -                 |     |                    |
|                 | STEL    | -                 |     |                    |

8.1.2 Biological limit value Not available

8.1.3 PNECs and DNELs Not available

### 8.2 Exposure Controls

8.2.1 Appropriate engineering controls: Prevent formation of aerosol.

#### 8.2.2 Personal Protective Equipment:

Eye/face Protection Tightly fitting safety goggles (e.g., EN166)

Skin Protection/Hand Gloves: Chemical resistant gloves (e.g., EN374) Butyl rubber: 0.7 mm coating thickness. Nitrile rubber: 0.4 mm coating thickness. Check with PPE manufacturer. Replace immediately if signs of degradation are observed.

Other Wear closed work clothing.

Respiratory Protection Not required under normal working conditions.

Hygiene measures General industrial hygiene practice

#### 8.2.3 Environmental exposure controls

No special environmental precautions required

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 information on basic physical and chemical properties

|                             |                |                              |               |
|-----------------------------|----------------|------------------------------|---------------|
| APPEARANCE                  | Liquid         | COLOUR                       | Colourless    |
| ODOUR                       | None           | ODOUR THRESHOLD ppm          | Not Available |
| pH VALUE                    | <11.5          | RELATIVE DENSITY             | 1.2-1.6 g/ml  |
| MELTING POINT/FREEZING PT   | 0°C            | SOLUBILITY IN WATER @ 20°C   | Miscible      |
| INITIAL BOILING POINT/RANGE | 100°C          | PARTITION COEFFICIENT        | Not available |
| FLASHPOINT °C               | Not applicable | (n-octanol/water)            |               |
| EVAPORATION RATE            | Not applicable | AUTO IGNITION TEMPERATURE    | Not available |
| FLAMMABILITY (SOLID/GAS)    | Not applicable | DECOMPOSITION TEMPERATURE °C | Not available |
| UPPER EXPLOSIVE LIMIT       | Not Available  | VISCOSITY mPa.s @ 25°C       | 20-30 mPa.s   |
| LOWER EXPLOSIVE LIMIT       | Not Available  | EXPLOSIVE PROPERTIES         | Not available |
| VAPOUR PRESSURE             | Not applicable | OXIDIZING PROPERTIES         | Not oxidising |
| VAPOUR DENSITY (AIR=1)      | Not applicable |                              |               |

### 9.2 Other information

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## SECTION 10: STABILITY AND REACTIVITY

|  |  |
|--|--|
| <b>10.1 Reactivity</b>                         | Stable under normal conditions.  |
| <b>10.2 Chemical Stability</b>                 | Stable under recommended storage and handling conditions.  |
| <b>10.3 Possibility of Hazardous reactions</b> | No dangerous reaction known under conditions of normal use   |
| <b>10.4 Conditions to Avoid</b>                | Freezing. Do not leave containers open.  |
| <b>10.5 Incompatible materials</b>             | Incompatible with strong acids. Aqueous solutions will react with aluminium, zinc, tin and their alloys evolving hydrogen gas which can form an explosive mixture with air. Can react violently if in contact with acids. Can react with sugar residues to form carbon monoxide. |
| <b>10.6 Hazardous Decomposition Products</b>   | No hazardous decomposition products if stored and handled as prescribed/ indicated.  |

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## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects of the mixture

|  |  |                  |                 |
|--|--|------------------|-----------------|
| <b>Acute toxicity</b>                    | Contains components that are hazardous by the following routes: skin, eye, inhalation. |                  |                 |
| LD <sub>50</sub> ORAL TOXICITY IN RATS   | 3400   | mg/kg            | Sodium silicate |
| LD <sub>50</sub> DERMAL TOXICITY RABBITS | >5000  | mg/kg            | Sodium silicate |
| LC <sub>50</sub> INHL TOXICITY IN RATS   | >2.06  | g/m <sup>3</sup> | Sodium silicate |
| LD <sub>50</sub> DERMAL TOXICITY RABBITS |  | mg/kg            |                 |
| LC <sub>50</sub> ORAL TOXICITY IN RATS   |  | mg/kg            |                 |
| LD <sub>50</sub> DERMAL TOXICITY RATS    |  | mg/kg            |                 |
| <b>Skin corrosion/ irritation</b>        | Irritating Cat2  |                  |                 |
| <b>Serious eye damage/ irritation</b>    | Irritating Cat2  |                  |                 |
| <b>Respiratory or skin sensitisation</b> | Not classified   |                  |                 |
| <b>Germ cell mutagenicity</b>            | Not classified   |                  |                 |
| <b>Carcinogenicity</b>                   | Not classified   |                  |                 |

|   |                |
|---|----------------|
| <b>Reproductive toxicity</b>                              | Not classified |
| <b>Specific Target Organ Toxicity (Repeated Exposure)</b> | Not classified |
| <b>Specific Target Organ Toxicity (Single Exposure)</b>   | Not classified |
| <b>Aspiration hazard</b>                                  | Not classified |

## 11.2 Other information

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## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

|                                |         |                 |      |                                  |
|--------------------------------|---------|-----------------|------|----------------------------------|
|                                |         | sodium silicate |      |                                  |
| LL <sub>50</sub> Fish          | (96 hr) | 1108            | mg/l | <i>Brachydanio rerio</i>         |
| EC <sub>50</sub> Invertebrates | (48 hr) | 1700            | mg/l | <i>Daphnia magna</i>             |
| EL <sub>50</sub> Algae         | (72hr)  | Not available   | mg/l | <i>Selenastrum capricornutum</i> |
| LL <sub>50</sub> Fish          | (96 hr) |                 | mg/l | <i>Lepomis macrochirus</i>       |
| EC <sub>50</sub> Invertebrates | (48 hr) |                 | mg/l | <i>Daphnia magna</i>             |
| EL <sub>50</sub> Algae         | (72hr)  |                 | mg/l | <i>Selenastrum capricornutum</i> |

Microorganisms/ effect upon activated sludge  
EC<sub>50</sub> Bacteria (3.0 hr) mg/l Activated sludge, domestic

**12.2 Persistence and degradability** Not biodegradable

**12.3 Bioaccumulative potential** Not available

**12.4 Mobility in soil** Soluble in water. If the product enters soil, it will be mobile and may contaminate groundwater.

**12.5 Results of PBT and vPvB assessment** PBT: This mixture contains no substances considered as PBT

vPvB: This mixture contains no substances considered as vPvB

### 12.6 Other adverse effects

The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations. Do not release untreated into natural waters. This product has not been tested. The statement has been derived from products of a similar structure and composition.

### **SECTION 13: DISPOSAL CONSIDERATION**

#### **13.1 Waste treatment methods**

Dispose of contents/ container according to the end user disposal procedure (P501).  
Dispose by landfill via a licensed waste disposal contractor in accordance with local and national regulations.

Contaminated packaging should be emptied as far as possible, they can then be recycled after being thoroughly cleaned by a licensed contractor. Labels must not be removed from containers until they have been cleaned. Packaging materials that are not contaminated should be treated as household waste or as recycling material.

#### **13.2 Additional information**

The UK Environmental Protection (Duty of Care) regulations (EP) and amendments should be noted (United Kingdom)

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### **SECTION 14: TRANSPORT INFORMATION**

**14.1 UN number** NOT CLASSIFIED  
ADR  
RID  
IMDG  
IATA  
ADN

**14.2 Proper shipping name** NOT CLASSIFIED  
ADR  
RID  
IMDG  
IATA  
ADN

**14.3 Transport Hazard Class** NOT CLASSIFIED  
ADR  
RID  
IMDG  
IATA  
ADN

**14.4 Packing Group** NOT CLASSIFIED  
ADR  
RID  
IMDG  
IATA  
ADN

**14.5 Environmental hazards** NOT CLASSIFIED  
ADR  
RID  
IMDG  
IATA  
ADN

**14.6 Special Precautions for user**  
Not classified as dangerous in the meaning of transport regulations

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

**SECTION 15: REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the mixture**

## EU Legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/193 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. Employment restrictions: Observe employment restrictions for young people, for child bearing mothers/ nursing and for women of child-bearing age.

**15.2 Chemical Safety Assessment**

Assessed to be not PBT/vPvB.

**SECTION 16: OTHER INFORMATION \***

\* SECTIONS REVISED 2  
Removal of section 2.1.2

Supersedes date 13/01/2022

## Legend

PBT Persistent, Bio accumulative and Toxic  
vPvB very Persistent and very bio accumulative

Data sources Supplier information

## Other hazard phrases listed in this MSDS

H315 Causes skin irritation  
H319 Causes serious eye irritation

Training advice General industrial hygiene practice.  
Manual handling

## Further information

This information relates only to the specific material designated and is to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness and without acceptance of liability for loss or damage attributable to reliance thereon as conditions of use lie outside our control. Users should always carry tests to establish the suitability of any products for their intended applications. No statements shall be incorporated in any contract unless expressly agreed in writing or construed as recommending the use of any product in conflict of any patent. All goods are supplied subject to Glassbond Ltd's General Conditions of Sale.