

Safety Data Sheet according to regulation (EC) N°1907/2006, 1272/2008(CLP) & 453/2010  
 Date Revised : 31.10.2018 Revision : 12  
 Product : **INSA-LUTE ADHESIVE CEMENT NO P1**

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/ MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product Identifier

Product name : **GLASSBOND SAUEREISEN INSA-LUTE ADHESIVE CEMENT NO P1**  
 REACH notes : Mixture- Substances contained in this product that are not classified as hazardous have been/will be registered for 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  
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 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 STOT RE 2 (inhalation), Eye damage 1, Skin Irritant 2  
 Environmental NOT CLASSIFIED

2.1.2 Directive 1999/45/EC(DPD) Not available

### 2.2 Label elements According to Regulation (EC) No. 1272/2008(CLP) STOT RE 2



GHS08



GS05

|                            |                    |  |       |
|----------------------------|--------------------|--|-------|
| SIGNAL WORD (S)            | Danger             |  |       |
| HAZARD STATEMENT(S)        | H373               | Causes damage to lungs through prolonged or repeated exposure via inhalation   |       |
|                            | H315               | Causes skin irritation.  | Cat 2 |
|                            | H318               | Causes serious eye damage  | Cat 1 |
| PRECAUTIONARY STATEMENT(S) | P260               | Do not breathe dust  |       |
|                            | P280               | Wear protective gloves /protective clothing/eye protection/face protection   |       |
|                            | P305 + P351 + P338 | IF IN EYES rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing |       |
|                            | P310               | Immediately call a POISON CENTRE or doctor   |       |

**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   |
|----------------------|-------|------------|-----------|------------------|--|
| Silica powder        | >70   | 14808-60-7 | 238-878-4 | Exempted         | H373: STOT RE 2  |
| Sodium silicate      | <20   | 1344-09-8  | 215-687-4 | 01-2119448725-31 | H335 : STOT SE 3 (inhalation)<br>H318: Eye damage 1<br>H315: Skin Irritant 2 |
|                      |       |            |           |                  |  |
|                      |       |            |           |                  |  |

**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 remove victim to fresh air and keep at rest in a position comfortable for breathing. (P304+P340)   |
| 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 damage. (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:**

Suitable: CO2 or dry chemical spray, water spray may help to reduce the temperature and extinguish flames for surrounding materials.

Unsuitable: High pressure water jet.

### **5.2 Special hazards arising from the mixture**

The powder will not burn but the packaging is combustible.

### **5.3 Advice for fire fighters**

Use full protective clothing and self-contained breathing apparatus.

**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**

Collect spillage by sweeping or industrial vacuum cleaner. keep in suitable closed container for disposal

### **6.4 Reference to other sections**

For personal protection see section 8 and disposal section 13

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## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Advice on safe handling Avoid the formation and deposition of dust. Use only outdoors or in a well ventilated area (P271). For PPE see section 8. Wash contaminated clothing before reuse (P363)

Advice on protection against fire and explosion Normal measures for preventive fire protection  
 Take precautionary measures against static discharge if using plastic packaging.

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

Keep containers tightly closed. Store locked up (P450), under cover, in a well ventilated, cool, dry place and away from direct sunlight or heat.  
 Protect from temperatures below : Not applicable  
 Protect from temperatures above : 40 °C  
 Suitable storage materials : Original containers.  
 Higher temperatures and humidity will reduce the shelf life of the product and may cause the powder to form lumps. The powder will also be difficult to mix into a paste. 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               |
|--------------------|---------|-------------------|------------|--------------------|
| Silica crystalline | TWA     | -                 | inhalable  | (EH40 UK) OES 8 hr |
|                    | TWA     | 0.3               | respirable | (EH40 UK)          |
| Silica crystalline | TLV-TWA | 0.1               | respirable | (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:** Effective exhaust ventilation system

#### 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 In the case of insufficient ventilation or severe dusts  
 Cartridge: e.g. EN143 Type P-S (check with PPE manufacturer)

Hygiene measures General industrial hygiene practice

#### 8.2.3 Environmental exposure controls

Local exhaust ventilation and take precautionary measures against static discharge.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 information on basic physical and chemical properties

|                             |                |                              |                |
|-----------------------------|----------------|------------------------------|----------------|
| APPEARANCE                  | Fine powder    | COLOUR                       | Cream          |
| ODOUR                       | None           | ODOUR THRESHOLD ppm          | Not Available  |
| pH VALUE                    | 12             | RELATIVE DENSITY             | 2.7 g/ml       |
| MELTING POINT/FREEZING PT   | Not applicable | SOLUBILITY IN WATER @ 20°C   | <15 g/100g     |
| INITIAL BOILING POINT/RANGE | Not applicable | 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       | Not applicable |
| 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

## 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>                | No decomposition if stored and applied as directed.   |
| <b>10.5 Incompatible materials</b>             | Incompatible with strong acids, alkaline materials, iron containing materials. 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.   |

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects of the mixture

**Acute toxicity** 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  |
| <b>Serious eye damage / irritation</b>   | Damaging  |
| <b>Respiratory or skin sensitisation</b> | Not classified  |
| <b>Germ cell mutagenicity</b>            | Not classified  |
| <b>Carcinogenicity</b>                   | Prolonged and/or massive exposure to respirable crystalline silica-containing dust may cause silicosis, a nodular pulmonary fibrosis cause by deposition in the lungs of fine respirable particles of crystalline silica. |

**Reproductive toxicity** Not classified  
**Specific Target Organ Toxicity (Repeated Exposure)** STOT RE2  
**Specific Target Organ Toxicity (Single Exposure)** Not classified  
**Aspiration hazard** Not classified

**11.2 Other information**

In 1997, IARC (International Agency for Research on Cancer) concluded that crystalline silica inhaled from occupational sources can cause lung cancer in humans.

**SECTION 12: ECOLOGICAL INFORMATION**

**12.1 Toxicity**

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

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

**12.2 Persistence and degradability** Not biodegradeable

**12.3 Bioaccumulative potential** Not available

**12.4 Mobility in soil** Sinks in water. A proportion (<15%) is water soluble. 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**  
Not applicable

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## 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

Exposure scenarios are not required for this mixture because it is not classified as dangerous according to Directive 67/548/EEC and assessed to be not PBT/vPvB. No risk management measures as defined by REACH have been identified.

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## SECTION 16: OTHER INFORMATION \*

\* SECTIONS REVISED 7, 10 Supercedes date 05.09.2018  
Grade name amendment

#### Legend

PBT Persistent, Bioaccumulative and Toxic  
vPvB very Persistent and very Bioaccumulative

Data sources Supplier information

Other hazard and risk phrases listed in this MSDS

H335 May cause respiratory irritation

Training advice General industrial hygiene practice. Do not eat, drink or smoke when using this product (P270)  
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.

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