

Safety Data Sheet according to regulation (EC) N°1907/2006, 1272/2008(CLP) & 453/2010
Date Revised : 31.10.2018 Revision : 14
Product : **GLASSBOND SAUEREISEN N° 14 LIQUID**

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

Product name : GLASSBOND SAUEREISEN N° 14 LIQUID
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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St. Helens
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United Kingdom

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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

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

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

GS07

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	
	P351+	contact lenses, if present and easy to do. Continue rinsing	
	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 Solution of inorganic silicate

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 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 (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) If eye irritation persists: Get medical attention (P337+P313)
Skin	IF ON SKIN wash exposed areas thoroughly after handling (P264) 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.

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 ³	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

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

SECTION 10 : STABILITY AND REACTIVITY

10.1 Reactivity	Stable under normal conditions.
10.2 Chemical Stability	Stable under recommended storage and handling conditions.
10.3 Possibility of Hazardous reactions	No dangerous reaction known under conditions of normal use
10.4 Conditions to Avoid	Freezing. Do not leave containers open.
10.5 Incompatible materials	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.
10.6 Hazardous Decomposition Products.	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 ₅₀ ORAL TOXICITY IN RATS	3400	mg/kg	Sodium silicate
LD ₅₀ DERMAL TOXICITY RABBITS	>5000	mg/kg	Sodium silicate
LC ₅₀ INHL TOXICITY IN RATS	>2.06	g/m ³	Sodium silicate
LD ₅₀ DERMAL TOXICITY RABBITS		mg/kg	
LC ₅₀ ORAL TOXICITY IN RATS		mg/kg	
LD ₅₀ DERMAL TOXICITY RATS		mg/kg	
Skin corrosion/ irritation	Irritating Cat2		
Serious eye damage / irritation	Irritating Cat2		
Respiratory or skin sensitisation	Not classified		
Germ cell mutagenicity	Not classified		
Carcinogenicity	Not classified		

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

11.2 Other information

SECTION 12 : ECOLOGICAL INFORMATION

12.1 Toxicity

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

Micro organisms/ effect upon activated sludge
 EC₅₀ 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 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)

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

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 793/1993 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 10 Supercedes date 10.08.2017

The Safety Data Sheets have been revised throughout in accordance with CLP/GHS requirements

Legend

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

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 expressively 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.
