Safety Data Sheet according to regulation (EC) Nº1907/2006, 1272/2008(CLP) & 453/2010
Date Revised : 19/07/2023 Revision : 6
Product **: GLASSBOND P641/M PASTE**

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

1.1 Product Identifier

Product name : **GLASSBOND P641/M PASTE**
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 : Lamp capping adhesive
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 NOT CLASSIFIED
Environmental NOT CLASSIFIED

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

Hazard pictogram(s)
GHS NO PICTOGRAM REQUIRED

SIGNAL WORD(S) NOT CLASSIFIED

HAZARD STATEMENT(S)

PRECAUTIONARY STATEMENT(S)

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 Synthetic resin dissolved in industrial denatured spirits, containing inert fillers.

Hazardous ingredient	% w/w	CAS N°	EC N°	REACH N°	CPL EC 1272/2008
Hexamine	<1	100-97-0	202-905-8	Not available	H228: Flammable solid. H317: May cause an allergic skin reaction.
Industrial denatured spirit	6-8	64-17-5	200-578-6	Ethanol mixture contains 5% methanol	H225 Highly flammable Liquid and Vapour H371 May cause damage to organs if swallowed in contact with skin and via inhalation

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	Immediately remove contaminated clothing, take care not to contaminate unaffected areas.
Inhalation	Contains component irritating by inhalation. Move the exposed person to fresh air. Seek medical attention.
Eyes	Rinse immediately with running water for at least 15 minutes holding the eyelid open; consult an eye specialist.
Skin	Wash thoroughly with water and soap If skin irritation or rash occurs get medical attention (P333+P313)
Ingestion	Immediately rinse the mouth with water and drink plenty of water. 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 temporary eye irritation.
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.

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.
Unsuitable: High pressure water jet

5.2 Special hazards arising from the mixture

Harmful vapours. Thermal decomposition or burning may release toxic oxides of nitrogen and other toxic gases.

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.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, protective equipment and emergency procedures

Use personal protective clothing. Eliminate sources of ignition

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 scraping up. keep in suitable closed container for disposal.

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	Ensure thorough ventilation of stores and work areas. For PPE see section 8. Contaminated clothing should not be allowed out of the workplace (P272). Wash contaminated clothing before reuse (P363)
Advice on protection against fire and explosion	Sources of ignition should be kept well clear. Take precautionary measures against static discharges if delivered in plastic packaging.

7.2 Conditions for safe storage, including any incompatibilities

Keep containers tightly closed. The paste should be stored under cover, in a well-ventilated, cool, dry place and away from direct sunlight, heat or sources of ignition.
Protect from temperatures below: minus 5 °C
Protect from temperatures above: 35 °C
Suitable storage materials: Original containers.
Higher temperatures and humidity will reduce the shelf life of the product. Under normal conditions (21ºC) a shelf life of 8 weeks 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
Industrial methylated spirits (IMS)	TWA	1920	1000	(EH40 UK) OES 8 hr
	STEL			(EH40 UK)
	TWA			(EH40 UK)
	STEL			(EH40 UK)
	TWA			(EH40 UK)
	STEL			(EH40 UK)

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	Chemical cartridge if there is a risk of breathing vapours Cartridge: e.g., EN14387 Type A (check with PPE manufacturer)
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	Thick Paste	COLOUR	Green
ODOUR	alcoholic	ODOUR THRESHOLD ppm	Not Available
pH VALUE	Not available	RELATIVE DENSITY	1.9 g/ml
MELTING POINT/FREEZING PT	Not applicable	SOLUBILITY IN WATER	<1% soluble
INITIAL BOILING POINT/RANGE	78 ° C (IMS)	PARTITION COEFFICIENT	0.32 (IMS)
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	>1.3 % (IMS)	EXPLOSIVE PROPERTIES	Not available
VAPOUR PRESSURE	Not applicable	OXIDIZING PROPERTIES	Not oxidising
VAPOUR DENSITY (AIR=1)	1.6 (IMS)		

9.2 Other information

Partially soluble in alcohols

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**	No decomposition if stored and applied as directed.
10.5	**Incompatible materials**	Acids, strong oxidising agents
10.6	**Hazardous Decomposition Products**	No hazardous decomposition products if stored and handled as prescribed/ indicated. Fire creates oxides of carbon and nitrogen, formaldehyde.

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 and ingestion.

LD_{50} ORAL TOXICITY RATS	9200	mg/kg	Hexamine
LD_{50} DERMAL TOXICITY RATS	2000	mg/kg	Hexamine
LC_{50} INHL TOXICITY IN RATS		mg/kg	
LD_{50} ORAL TOXICITY RATS	6200-17800	mg/kg	Industrial methylated spirits
LD_{50} DERMAL TOXICITY RABBITS	>20000	mg/kg	Industrial methylated spirits
LC_{50} INHL TOXICITY IN RATS	>20000	mg/lt/4hr	Industrial methylated spirits

Skin corrosion/ irritation May cause irritation
Serious eye damage/ irritation May cause irritation
Respiratory or skin sensitisation The product contains Hexamine which are skin sensitising.
Germ cell mutagenicity Not classified
Carcinogenicity Not classified

Reproductive toxicity	Not classified
STOT SE (SINGLE exposure)	Not classified
STOT RE (REPEATED exposure)	Not classified
Aspiration hazard	Not classified

11.2 Other information

Skin sensitisation might occur in people with hypersensitive skin.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

LL_{50} Fish	(96 hr)	41000 (hexamine)	mg/l	*Lepomis macrochirus*
EC_{50} Invertebrates	(48 hr)	36000 (hexamine)	mg/l	*Daphnia magna*
EL_{50} Algae	(72hr)		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*

Microorganisms/ effect upon activated sludge

EC_{50} Bacteria	(3.0 hr)	mg/l	Activated sludge, domestic

12.2 Persistence and degradability Organic resin components are not readily biodegradable.
Solvent is readily biodegradable

12.3 Bioaccumulative potential Not available

12.4 Mobility in soil Sinks in water. A small percentage (<10%) 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

The preparation must be disposed of by special means. Dispose by incineration or 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)
Dispose of contents/ container according to the end user disposal procedure (P501)

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

Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of accident or spillage

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
Commission Regulation (EC) No 474/2014 of 8th May 2014 amending Annex XVII to Regulation (EC) No *1907/2006*
Commission Regulation (EC) No 944/2013 of 2nd October 2013 (5th ATP) amending Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.
Waste Framework Directive 2008/98/EC

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.

SECTION 16: OTHER INFORMATION *

* SECTIONS REVISED	2	Supersedes date	28/09/2017

Removal of section 2.1.2

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

H228	Flammable solid.
H317	May cause an allergic skin reaction.
H225	Highly flammable Liquid and Vapour
H371	May cause damage to organs if swallowed in contact with skin and via inhalation

Training advice General industrial hygiene practice.
Manual handling

Further information