



SAFETY DATA SHEET

1. Identification of Material and Supplier

Product Name: Gemstone Glue

Recommended Use: Washable glue suitable for adhering gemstones, etc.

Supplier: Helmar Australia Pty Ltd

ABN: 28 003 425 796

Street Address: 54-56 Brisbane Road, Riverstone NSW 2765

Telephone Number: (61+2) 9627 4666

Fax: (61+2) 9627 4424

Emergency Telephone Number: (24 Hours)

In Australia contact a Poison Information Centre Ph.: 13 11 26

In New Zealand Ph.: 0800 764 766

In the USA contact a Poison Control Center Ph.: 1-800-222-1222

2. Hazards Identification

Not classified as dangerous goods in accordance with the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG)

Not classified as a hazardous substance in accordance with the criteria of Safe Work Australia - Globally Harmonised System (GHS)

Signal word

This product does not require a hazard warning statement in accordance with GHS criteria.

Hazardous Classification

None required.

Hazard statements

None required.

Precautionary Statements – (Prevention)

None required.

Precautionary Statements – (Response)

None required.

Precautionary Statements – (Disposal)

P501: Dispose of contents/container in accordance with local, regional, national and international regulations.

Other hazards

No hazard identified

Other hazards which do not result in classification:

No specific dangers known, if the regulations/notes for storage and handling are considered.

If the product adheres to skin, irritation may occur when it dries.

May produce an allergic reaction: Contains: Mixture of: 5-Chloro-2-Methyl-4-Isothiazolin-3-One and 2-Methyl-2H-Isothiazol-3-One (3:1), 2-Methyl-2H-Isothiazol-3-One

Poisons Schedule (Aust): Not applicable

3. Composition/Information on Ingredients

Chemical Name	CAS#	%
Butyl acrylate-methyl methacrylate copolymer	Proprietary	54-56%
Water	7732-18-5	44-46%

4. First-Aid Measures

For advice, contact a Poisons Information Centre: In Australia Ph.:13 11 26, In New Zealand Ph.: 0800 764 766, In the USA contact a Poison Control Center Ph.: 1-800-222-1222

Description of first aid measures

General advice	Show this safety data sheet to the doctor in attendance.
Inhalation	Remove to fresh air. Treat symptomatically. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
Skin contact	Wash with soap and water. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a doctor. Get medical attention if irritation develops and persists.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor. Treat symptomatically. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). If easy to do, remove contact lenses.
Ingestion	Clean mouth with water and drink afterwards plenty of water. Treat symptomatically. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed

Symptoms If the product adheres to skin, irritation may occur when it dries.

Indication of any immediate medical attention and special treatment needed

Note to doctors May cause sensitisation in susceptible persons. Treat symptomatically.

5. Fire-Fighting Measures

Suitable Extinguishing Media

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray, carbon dioxide (CO₂), foam, dry extinguishing media.

Unsuitable extinguishing media

Do not use water jet stream

Specific hazards arising from the chemical

In the event of fire and/or explosion do not breathe fumes. May cause sensitisation by inhalation and skin contact. Thermal decomposition can lead to release of irritating and toxic gases and vapours. Product is or contains a sensitiser. May cause sensitisation by skin contact.

Hazardous combustion products Carbon monoxide. Carbon dioxide (CO₂).

Special protective actions for fire-fighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal precautions

Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

For emergency responders

Use personal protection recommended in Section 8.

Environmental precautions

Collect spillage.

Methods and material for containment and cleaning up

Methods for containment

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Take up mechanically, placing in appropriate containers for disposal.

Precautions to prevent secondary hazards

Prevention of secondary hazards

Clean contaminated objects and areas thoroughly observing environmental regulations.

Reference to other sections

See section 8 for more information. See section 13 for more information.

7. Handling and Storage

Precautions for safe handling

Advice on safe handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before re-use.

General Hygiene Considerations

When using do not eat, drink or smoke. Wash contaminated clothing before re-use.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep from freezing. Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children.

Incompatible materials

None known based on information supplied.

8. Exposure Controls/Personal Protection

Exposure Limits: The product contains residual traces of butyl acrylate, methyl methacrylate, n-butanol, acetone and tert-butano. Observe workplace exposure standards:

Butyl acrylate:	Australia	TWA 10 ppm (55 mg/m ³) Sen
	New Zealand	TWA 10 ppm (52 mg/m ³) Sen
Methyl methacrylate:	Australia	TWA 50 ppm (208 mg/m ³) STEL 100 ppm (416 mg/m ³) Sen Skin
	New Zealand	TWA 50 ppm (208 mg/m ³) STEL 100 ppm (416 mg/m ³) Sen Skin
n-Butanol:	Australia	TWA 50 ppm (152 mg/m ³) Peak Skin
	New Zealand	Ceiling 50 ppm (150 mg/m ³) Skin
Tert-Butanol:	Australia	TWA 100 ppm (303 mg/m ³) STEL 150 ppm (455 mg/m ³)
	New Zealand	TWA 100 ppm (303 mg/m ³) STEL 150 ppm (455 mg/m ³)
Acetone:	Australia	TWA 500 ppm (1185 mg/m ³) STEL 1000 ppm (2375 mg/m ³)
	New Zealand	TWA 500 ppm (1185 mg/m ³) STEL 1000 ppm (2375 mg/m ³)
Key:	Peak	Peak limitation (Aus)
	Sen	Sensitizer
	Skin	Skin absorption

Other Exposure Information: Use local exhaust to control to recommended workplace exposure standards.

Respiratory Protection: If vapours or mists are generated, wear an approved organic vapour / mist respirator or an air-supplied respirator as appropriate.

Eye Protection: Safety glasses with side-shields (frame goggles) (EN 166).

Hand Protection: Suitable chemical resistant safety gloves (EN 374) for prolonged, direct contact, eg
Nitrile rubber (0.4mm)
Neoprene rubber (0.5mm)
Polyvinylchloride (0.7mm)
Recommended: Protective Index 6, corresponding to >480 minutes of permeation time according to EN 374. Supplementary note: The specifications are based on own tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (eg temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined in accordance with EN 374. Manufacturer's directions for use should be observed because of great diversity of types.

Engineering Control Measures: Ensure workplace is well ventilated.

Hygiene Measures: Hands and / or face should be washed before breaks and at the end of the shift. Avoid contact with skin and eyes.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Physical state	Liquid dispersion.
Appearance	Opaque
Colour	White
Odour	Slight.
Odour threshold	No data available.
Property Values	Remarks • Method
pH	4.5 - 6.5 @ (23 ⁰ C)
Melting point / freezing point	0 ⁰ C (based on components)
Boiling point / boiling range	100 ⁰ C (based on components)
Flash point	No information available. Not applicable.
Evaporation rate	No information available. Not applicable.
Flammability (solid, gas)	Not flammable.
Flammability Limit in Air	
Upper flammability limit:	No information available
Lower flammability limit:	No information available
Vapour pressure	23.4 hPa, 20 ⁰ C
Vapour density	approximately 1.05 g/cm ³ @ 20 ⁰ C
Relative density	No information available
Water solubility	Partly soluble @ 15 ⁰ C
Solubility(ies)	No information available
Partition coefficient	No information available
Autoignition temperature	Not applicable
Decomposition temperature	No information available
Kinematic viscosity	50 – 120 mPa.s (23 ⁰ C, 250 1/s) (DIN EN ISO 3219)
Dynamic viscosity	No information available
Explosive properties	No information available
Oxidising properties	No information available
Other Information	
VOC Content (%)	No information available
Density	1.02 g/cm ³ (20 ⁰ C) [ISO 2811-1]

* This information may be derived from the components in the preparation.

10. Stability and Reactivity

Reactivity

No data available.

Chemical stability

Stable under normal conditions.

Explosion data

Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	None.

Possibility of Hazardous Reactions

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Avoid extreme temperatures.

Incompatible materials

No information available.

Hazardous Decomposition Products

Carbon monoxide. Carbon dioxide (CO₂).

11. Toxicological Information

Acute toxicity

Assessment of acute toxicity:

Virtually non-toxic after a single ingestion. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Experimental/calculated data:

LD50 rat (oral): > 2,000 – 10,000 mg/kg

Irritation

Assessment of irritating effects:

If the product adheres to skin, irritation may occur when it dries.

Not irritating to the eyes. Not irritating to the skin. The product has not been tested. The statement is derived from substances/products of a similar structure or composition.

Experimental/calculate data:

Skin corrosion/irritation rabbit: (OECD Guideline 404)

Serious eye damage/irritation rabbit: (OECD Guideline 405)

Respiratory/Skin sensitization

Assessment of sensitization:

Skin sensitizing effects were not observed in animal studies. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Germ cell mutagenicity

Assessment of mutagenicity:

The substance was not a mutagenic bacteria. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Carcinogenicity

Assessment of carcinogenicity:

The whole of the information assessable provides no indication of a carcinogenic effect.

Reproductive toxicity

Assessment of reproductive toxicity:

Not expected to cause reproductive toxicity (based on composition).

Developmental toxicity

Assessment of teratogenicity:

The data available for an assessment of the effect of the substance on the developmental toxicity are not sufficient for a proper evaluation.

Specific target organ toxicity (single exposure):

Assessment of STOT single:

Based on available information there is no specific target organ toxicity to be expected after a single exposure.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:

No adverse effects were observed after repeated inhalative exposure in animal studies. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Aspiration hazard

Not applicable.

Other relevant toxicity information

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. The statement has been derived from substances/products of a similar structure or composition.

12. Ecological Information

Ecotoxicity

Toxicity to Fish:

Brachydanio rerio/LC50 (96 h) : >100 mg/l (OECD Guideline 203 static)

Toxicity to Aquatic invertebrates:

Daphnia magna/EC50 (48 h) : >100 mg/l (OECD Guideline 202, part 1 static)

Toxicity to Aquatic plants:

Scenedesmus subspicatus/EC50 (72 h) : > 100 mg/l (OECD Guideline 201)

Microorganisms/Effect on activated sludge:

EC290 (0.5 h) : > 100 mg/l EC290 (0.5 h) : > 100 mg/l, activated sludge, domestic
(DIN/EN/ISO 8192-OECD 209-88/302/EEC, P.C)

Mobility

Assessment transport between environmental compartments:

No data available.

Persistence and degradability

Elimination information:

> 70% DOC reduction (OECD 302B; ISO 9888; 88/302/EEC, Part c). Easily eliminated from water.

Bioaccumulation potential

Bioaccumulation potential:

Based on the structural properties, the polymer is not biologically available. Accumulation in organisms is not to be expected.

Other adverse effects

Adsorbable organically-bound halogen (AOX):

No data available.

Additional information

Other ecotoxicological advice:

Do not release untreated into natural waters.

At the present level of knowledge, no negative ecological effects are expected.

Ecological data are determined by analogy.

13. Disposal Considerations

Must be sent to a suitable incineration plant, observing local regulations.

A waste code in accordance with the European waste catalog (EWC) cannot be specified, due to the dependence on the usage. Observe national and local legal requirements.

14. Transport Information

ADG Not regulated

IMDG Not regulated

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

No information available

IATA Not regulated

15. Regulatory Information

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

National regulations

Australia

Not classified as dangerous goods in accordance with the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG).

Not classified as a hazardous substance in accordance with the criteria of Safe Work Australia - Globally Harmonised System (GHS)

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

Not scheduled

Poison Schedule Number Not scheduled

National pollutant inventory

Not subject to reporting requirement

International Inventories

AICS - Australian Inventory of Chemical Substances

Listed or exempt

DSL - Canadian Domestic Substances

List Listed or exempt

IECSC - China Inventory of Existing Chemical Substances

No information available

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of

Notified Chemical Substances

No information available

ENCS - Japan Existing and New Chemical Substances

Listed or exempt

KECL - Korean Existing and Evaluated Chemical Substances

Listed or exempt

NZIoC - New Zealand Inventory of Chemicals

Listed or exempt

PICCS - Philippines Inventory of Chemicals and Chemical Substances

Listed or exempt

CICR - Turkey Chemical Inventory Control Regulation

No information available

NCSR - Taiwan National Chemical Substance Registry

No information available

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

Listed or exempt

16. Other Information

Contact Point: Helmar Australia Pty Ltd

Phone: (61+2) 9627 4666 **Fax:** (61+2) 9627 4424

After hours:

In Australia contact a Poison Information Centre Ph.:13 11 26

In New Zealand Ph.: 0800 764 766

In the USA contact a Poison Control Center Ph.: 1-800-222-1222

Safety Data Sheets are updated frequently. Please ensure that you have a current copy. This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since Helmar Australia Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this SDS in the context of how the user intends to handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company. Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.

The information and recommendations set down here in this document are presented in good faith and to the best of Helmar Australia Pty Ltd's knowledge. Helmar Australia Pty Ltd cannot predict or control the conditions of use or handling of this product and each user must review this document in the context of the conditions under which they intend to handle and use this product. It is the responsibility of the user to ensure a proper assessment has been carried out. No representations or warranties, either expressed or implied, or merchantability, fitness for purpose or any other nature are made here under with respect to the product to which this information refers.