

MATERIAL SAFETY DATA SHEET

1. Identification of the substance or mixture and of the supplier

1.1 Product Name:

HY-BOND RESIGLASS " LIQUID"

1.2 Company /Undertaking identification

Manufacturer's Name: **SHOFU INC.**

Address: 11 Kamitakamatsu- cho, Fukunine, Higashiyama- ku, Kyoto 605- 0983 ,JAPAN

Phone: +81- 75- 561- 1112

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Section in Charge: Quality Assurance Section

Date Prepared 2011.11.16

1.3 Emergency Telephone Number

+81- 75- 561- 1112

2 Hazards identification

GHS CLASSIFICATION

PHYSICAL HAZARDS	FLAMMABLE LIQUIDS	Not Classified
	CORROSIVE TO METALS	Not Classified
HEALTH HAZARDS	ACUTE TOXICITY- ORAL	Not Classified
	ACUTE TOXICITY- DERMAL	Not Classified
	ACUTE TOXICITY- INHALATION(VAPOURS)	Not Classified
	SKIN CORROSION/IRRITATION	Category 2
	EYE DAMAGE/IRRITATION	Category 2A
	SENSITIZATION- SKIN	Category 1
	GERM CELL MUTAGENICITY	Not Classified
	CARCINOGENICITY	Not Classified
	TOXIC TO REPRODUCTION	Not Classified
	SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (SINGLE EXPOSURE)	Not Classified
	SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (REPEATED EXPOSURE)	Category 2(kidney)

The thing without mention is out of a classification object. Or cannot classify it.

LABEL ELEMENTS

SYMBOL



SIGNAL WORD

Warning

HAZARD STATEMENTS

Causes skin irritation
 May cause allergic skin reaction
 Causes serious eye irritation
 Warning May cause damage to organs through prolonged or repeated exposure(kidney)

PRECAUTIONARY STATEMENTS

[Prevention]
 Obtain special instruction before use.
 Do not handle until all safety precautions have been read and understood.
 Wear protective gloves and eye/face protection.
 Do not breathe dust/fume/gas/mist/vapours/spray.

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Contaminated work clothing should not be allowed out of the workspace.

Keep container tightly closed.

Wash hands thoroughly after handling.

[Response]

If you feel un-well, get medical advice/attention.

Take off immediately contaminated clothing.

Wash contaminated clothing before reuse.

If on skin, wash with plenty of soap and water. If on skin, skin irritation, get medical advice/attention.

If in eyes, rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do.

If eye irritation persists, get medical advice/attention.

[Storage]

Store in a cool and dark area.

[Disposal]

Dispose of contents and container in accordance with regulation.

3. Composition/information on ingredients

<i>Composition</i>	<i>Hazard type</i>
Polyacrylic acid [Cas No.9003-01-4]	
Deionised water [Cas No.7732-18-5]	
2-Hydroxyethyl methacrylate [Cas No.868-77-9]	< 20% Xi
Others	

4. First-aid measures

- 4.1 *Eye contact* : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. If eye irritation persists, get medical advice/attention.
- 4.2 *Skin contact* : Wash immediately with soap and plenty of water. If on skin, skin irritation, get medical advice/attention.
- 4.3 *Ingestion* : Rinse mouth. Get medical advice/attention.
- 4.4 *Inhalation* : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptom concerning breath goes out, call a POISON CENTER to doctor.

5. Fire-fighting measures

- 5.1 *Suitable Extinguishing Media*: Powder, Alcohol-resistant foam, Carbon dioxide.
- 5.2 *Extinguishing Media Should not be used*: N/A
- 5.3 *Special Exposure Hazards Arising*: Irritation gases and fumes may emit. (Irritating gases and fumes may emit.)
- 5.4 *Special Protective Equipment*: Wear fire protective cloth and self-contained breathing apparatus if necessary.

6. Accidental release measures

- 6.1 *Personal Precautions*: See section 8. Avoid contact with eyes and skin.
- 6.2 *Environmental Precautions*: Send to approved treatment/disposal company or dispose according to local, state and federal regulations.
- 6.3 *Methods for Cleaning Up*: Wipe up and discard in a suitable container.

7. Handling And Storage

- 7.1 *Handling*: Ventilation. Local exhaust. Avoid inhaling and contact with eyes and skin.

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Keep away from ignition sources and separate from strong oxidizer.

7.2 Storage: Store in a cool and dry place out of direct sunlight and source of ignition.
Separated from organic peroxide. Keep containers closed.

8. Exposure controls/personal protection

8.1 Exposure limits: ACGIH TLV.
None assigned.

8.2 Respiratory Protection: Local exhaust

8.3 Hand Protection: Latex or rubber gloves

8.4 Eye Protection: Safety goggles or eye protection.

8.5 Skin Protection: Not required. General protective overalls.

9. Physical and chemical properties

9.1 Appearance/Odour/pH Clear liquid with slightly characteristic odor.

9.2 Boiling Point/Boiling Range: $\approx 100^{\circ}\text{C}$

9.3 Melting Point/Melting Range: N/D

9.4 Flash point: N/D

9.5 Auto flammability: N/D

9.6 Explosive Properties: N/D

9.7 Oxidizing Properties: N/D

9.8 Vapour Pressure: N/D

9.9 Relative Density: $\approx 1.17\text{g/cm}^3$

9.10 Solubility: water solubility Soluble

9.11 pH 2.66

10. Stability and reactivity

10.1 Stability: Stable under recommended storage conditions.

10.2 Reactivity: N/A

10.3 Condition to avoid: Avoid direct sunlight and high temperature.

10.4 Materials to avoid: Mixing with organic peroxide or strong acids or strong bases result in polymerization or decomposition.

11. Toxicological information

2-Hydroxy Ethyl Methacrylate ;

Acute toxicity :

(Oral)	rat	LD50	$\geq 4000\text{mg/kg}$
(Dermal)	rabbit	LD50	$\geq 3000\text{mg/kg}$

12. Ecological information

The product should not be allowed to drain into sewers.

13. Disposal considerations

Dispose of contents/container to in accordance with local/regional/national/international regulations.

14. Transport information

Airline restriction information ; It doesn't correspond.

UN No. ; It doesn't correspond.

Sea restriction information ; It doesn't correspond.

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UN No. ; It doesn't correspond.

15.Regulatory information

Follow all regulations in your country.

16.Other information

This product is intended for use by dental professionals. (instrument/material)