

Material Safety Data Sheet



Hazardous Substance, Non-Dangerous Goods

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: Commercial EG - Part A

Recommended Use: Part A of a 2 part epoxy grout.

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains bisphenol A/epichlorohydrin resin)

Supplier:	RLA Polymers Pty Ltd
ABN:	004 709 915
Street Address:	215 Colchester Road, Kilsyth, Victoria, 3137. Australia.
Telephone:	03 9728 1644
Facsimile:	03 9728 6009
Emergency telephone number:	0417145022

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Skin Corrosion/Irritation Category 2,
Eye Irritant. 2,
Skin Sensitizer Category 1,
Acute Aquatic Hazard Category 2,
Chronic Aquatic Hazard Category 2

Signal Word (s) Danger

Hazard Statement (s)

H315	Causes skin irritation
H319	Causes serious eye irritation
H317	May cause an allergic skin reaction
H401	Toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects
AUH019	May form explosive peroxides

Pictogram (s)



Precautionary statement – Prevention

P280 Wear protective gloves/protective clothing/eye protection/face protection.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P273 Avoid release to the environment.

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P272 Contaminated work clothing should not be allowed out of the workplace.

Precautionary statement – Response

P321 Specific treatment (see advice on this label).

P302+P352 IF ON SKIN: Wash with plenty of water and soap

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P391 Collect spillage.

Precautionary statement – Storage

Not applicable.

Precautionary statement – Disposal Other Information

P501 Dispose of contents/container according to local regulations.

This product contains silica, a listed carcinogen according to IARC, ACGIH, NTP

This product may contain Titanium Dioxide, a possible carcinogen according to IARC, ACGIH, NTP

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

Poisons Schedule (Aust): S5

This product is a schedule Poison S5 and must be stored, maintained and used in accordance with the relevant regulation.

3. COMPOSITION INFORMATION

CHEMICAL ENTITY:	CAS NO.	PROPORTION
Reaction product of epichlorohydrin and Bisphenol A	25085-99-8	30-60%
Alkyl glycidyl ether	68609-97-2	<10%
Talc	14807-96-6	<30%
Silica	14808-60-7	<5%
Titanium Dioxide	13463-67-7	10-30%
Ingredients determined to be non-hazardous	Balance	100%

4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand

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0800 764 766).

Inhalation: Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

Skin contact: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.

Eye contact: If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a Doctor; or for at least 15 minutes and transport to Doctor or Hospital.

Ingestion: Immediately rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.

Notes to physician: Treat symptomatically. Effects may be delayed.

5. FIRE-FIGHTING MEASURES

Specific hazards: Combustible material.

Fire fighting further advice: On burning may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

Hazchem Code: Not applicable.

Suitable extinguishing media: If material is involved in a fire use water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILLS

Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours. Wipe up with absorbent (clean rag or paper towels). Allow absorbent to dry before disposing with normal household garbage.

LARGE SPILLS

Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal. If contamination of sewers or waterways has occurred advise local emergency services.

Dangerous Goods – Initial Emergency Response Guide No: Not applicable.

7. HANDLING AND STORAGE

Handling: Avoid skin and eye contact.

Storage: Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for leaks. This material is a Scheduled Poison S5 and must be stored, maintained and used in accordance with the relevant regulations.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National occupational exposure limits:

No value assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC Australia).

EMERGENCY LIMITS

Ingredient	TEEL-0	TEEL-1	TEEL-2	TEEL-3
bisphenol A/ epichlorohydrin	125 / 50 / 4(ppm)	350 / 150 / 12.5(ppm)	500 / 100(ppm)	500(ppm)

Biological Limit Values: As per the "National Model Regulations for the Control of Workplace Hazardous Substances [NOHSC: 1005 (1994)]" the ingredients in this material do not have a Biological Limit Allocated.

Engineering measures: Natural ventilation should be adequate under normal use conditions.

Personal protection equipment: OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES.

Wear overalls, safety glasses and impervious gloves. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or reusing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form / Colour / Odour: Thick colored paste (various colors)

Solubility: Insoluble in water

Specific Gravity (20 °C): 1.15-1.36

Relative Vapour Density (air=1): N App

Vapour Pressure (20 °C): N App

Flash Point (°C): N App

Flammability Limits (%): N App

Autoignition Temperature (°C): N App

Melting Point/Range (°C): N Av

Boiling Point/Range (°C): N Av

pH: N App

(Typical values only - consult specification sheet)

N Av = Not available

N App = Not applicable

10. STABILITY AND REACTIVITY

Chemical stability: This material is thermally stable when stored and used as directed.

Conditions to avoid: Elevated temperatures and sources of ignition.

Incompatible Materials: Oxidising agents.

Hazardous decomposition products: Oxides of carbon and nitrogen, smoke and other toxic fumes.

Hazardous reactions: No known hazardous reactions.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure

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occurs are:

Acute Effects

Inhalation: Material may be irritant to mucous membranes and respiratory tract.

Skin contact: Contact with skin will result in irritation. A skin sensitizer. Repeated or prolonged skin contact may lead to allergic contact dermatitis.

Eye contact: An eye irritant.

Ingestion: Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.

Long Term Effects: No information available for product.

Acute toxicity / Chronic toxicity: No LD50 data available for the product.

bisphenol A/ epichlorohydrin resin

TOXICITY

Intraperitoneal (mouse) LD50:
4000 mg/kg

Intraperitoneal (rat) LD50: 2400
mg/kg
Oral (mouse) LD50: 15600 mg/kg
Oral (rat) LD50: 11400 mg/kg

Oral (rat) LD50: 13600 mg/kg

IRRITATION

Eye (rabbit): 100 mg - mild

Nil reported

(C12-14)alkylglycidyl ether

Oral (rat) LD50: >10000 mg/kg

Oral (rat) LD50: 17000 mg/kg

Eye (rabbit): mild [Ciba]

Skin (guinea pig): sensitizer

Skin (human): Irritant

Skin (human): non- sensitizer

Skin (rabbit): moderate

Skin : Moderate

Acute Toxicity - Other Organisms: No data is available on the product itself

Avoid contaminating waterways.

12. ECOLOGICAL INFORMATION

Persistence and degradability Mobility No data available on the product itself.

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Mobility No data available

Bioaccumulative Potential

No data is available on the product itself. Benzyl alcohol: Low bioaccumulation potential.

Acute Toxicity – Fish

No data is available on the product itself.

13. DISPOSAL CONSIDERATIONS

Refer to State/Territory Land Waste Management Authority.

14. TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

MARINE TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

AIR TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) dangerous Goods Regulations for transport by air.

15. REGULATORY INFORMATION

Poisons Schedule (Aust): S5

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

Literary reference

This Material Safety Data Sheet has been prepared by RLA Polymers on behalf of its client.

Reason(s) For Issue: First Issue under RLA

Material Safety Data Sheets are updated frequently. Please ensure that you have a current copy.

This MSDS 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 RLA Polymers cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS 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.