MATERIAL SAFETY DATA SHEET

Issue date: MAY 2011

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

Product Name: Rapid Cure Part A
Recommended Use: Construction of fibre reinforced equipment and fittings. Suitable for construction of recreational water craft. Corrosion resistant flooring and coatings.

Supplier: Glue Guru Industrial
Address: PO Box 33-1118
Takapuna
Auckland 0740
New Zealand

Telephone (09) 444 4878 Customer Services

Fax (09) 442 5795

Emergency Telephone + 64 274 736008 (24 hours)

National Poison Centre (24 hours): 0800 POISON [764 766]

2. HAZARDS IDENTIFICATION

HSNO Classification

6.3A	Irritating to the skin
6.4A	Irritating to the eyes
6.5B	Contact sensitisers
9.1C	Harmful to aquatic organisms

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS no:	Weight %
Bisphenol A diglycidyl ether polymer	25068-38-6	>60
Bisphenol F diglycidyl ether polymer	28064-14-4	<30
Other ingredients determined not to be hazardous	_	To 100

4. FIRST AID MEASURES

If poisoning occurs, contact the National Poison Centre
(New Zealand 0800 POISON or 0800 764 766).

First Aid

Inhalation	Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention:
Skin Contact	Remove contaminated clothing/shoes and wipe excess from skin. Flush skin with water. Follow by washing with soap and water. If irritation occurs, get medical attention. Do not reuse clothing until cleaned. Contaminated leather articles including shoes, cannot be decontaminated and should be destroyed to prevent use.
Eye Contact	Flush eyes with plenty of water for 15 minutes while holding eyelids open. Get medical attention.
Ingestion	Do not induce vomiting. Rinse mouth with water. Give plenty of water to drink.
Advice to Physician	Treat symptomatically. Effects may be delayed.

5. FIRE-FIGHTING MEASURES

Extinguishing media	Use water fog, foam, dry chemical or carbon dioxide.
Fire and Explosion Hazards	Clear fire area of all non-emergency personnel. Cool fire exposed containers with water. Irritation fumes are released in fire situations. Do not allow material or run-off to enter waterways. Stay upwind, keep out of low areas.
Fire Fighting Equipment	Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots). Use approved positive pressure self-container breathing apparatus.
HAZCHEM	2X
Clean up Methods (Small)	Soak up with an absorbent material such as clay, sand, sawdust or Zorball. Place in non-leaking container. Seal tightly for proper disposal.

Clean up Methods (Large)

Remove with vacuum trucks or pump to storage/salvage vessels. Soak up residue with an absorbent material such as clay, sand, sawdust or Zorball. Place in non-leaking container. Seal tightly for proper disposal. Flush with water to remove trace residue.

6. HANDLING AND STORAGE

Handling

Keep out of reach of children. Put on appropriate PPE (see section 8). Causes skin irritation and sensitivity. Avoid contact with skin, eyes and clothing. Wash with soap and water before eating, drinking, smoking, applying cosmetics, or using toilet facilities. Do not breathe vapour or mist. Clean up spilled material immediately, and wash clothes, equipment and work area after use.

Storage

Store in a cool, dry place with adequate ventilation. Keep containers closed when not in use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Workplace Exposure Guidelines

None established.

WEL = Workplace exposure limit
TWA = Time weighted average
STEL = Short term exposure limit

Engineering Controls:

Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminates as low as possible and/or below any recommended or statutory limits. Use explosion-proof ventilation equipment.

Personal Protection Equipment

Respiratory – Use a properly fitted, air purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

Skin – Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handing this product.

Hand – Recommended: polyvinyl alcohol (PVA, Butyl rubber, EVAL, Neoprene.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Colour	Colourless
Odour	Sweet odour
pH	= 5
Vapour pressure	82 Pa (4.5mm Hg)
Vapour density	>1 [Air = 1]
Boiling Point	Not available
Melting/Freezing Point	Not available
Solubility (water)	Not miscible
Specific Gravity/Density	1.17 g/cm³ [25°C (77°F)]
Flash Point	251°C (closed cup)
Flammable Limits	LFL: Not available UFL: Not available
Auto-ignition	>300°C

High = >60% Med = 10% - 60% Low = 1% - 10% Very Low = < 1%

10. STABILITY AND REACTIVITY

Chemical Stability Stable under recommended storage conditions.

Conditions to Avoid Avoid temperatures above 300°C. Potentially violent decomposition can occur, causing gas generation and pressure increases in closed systems.

Materials to Avoid Reactive or incompatible with the following materials: oxidizing materials: Slightly reactive or incompatible with the following materials: acids and alkalis.

Hazardous Decomposition Products Decomposition products may include the following materials: carbon oxides, phenolics and water.

11. TOXICOLOGICAL INFORMATION

Potential Health Effects

Inhalation	Vapours are unlikely due to physical properties.
Ingestion	Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts.
Skin	Prolonged or repeated contact may cause skin irritation.
Eye	May cause eye irritation. Corneal injury is unlikely.

Acute Health Effects

Test	Species	Result	Exposure
LD50 Oral	Rat	30,000mg/kg	-
LD50 Dermal	Rabbit	20,000mg/kg	-
LD50	Rat	>1200mg/kg	-

Systemic Effects — Except for skin sensitisation, repeated exposure is not likely to cause significant adverse effects.

Carcinogenicity — IARC has classified DGEBPA as non-carcinogenic.

Mutagenicity — In animal studies did not interfere with reproduction. Animal genetic toxicity studies were negative.

12. ECOLOGICAL INFORMATION

Species	Period	Result
Pimephales Promelas	96hr	3.1 mg/L
Daphina Magna	48hr	1.4 – 1.7 mg/L
Bacteria	18hr	42.6 mg/L

Degradability — Under OECD guidelines this material cannot be considered as readily degradable.

Bioaccumulation — Moderate

HSNO Classification — Log Pow = 3 – 5. 9.1C toxic in the aquatic environment.

13. DISPOSAL CONSIDERATIONS

Disposal — DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal methods must be in compliance with all Federal, State/Provincial and local laws and regulations.

FOR UNUSED AND UNCONTAMINATED PRODUCT, the preferred options include send to a licensed, permitted: recycler, reclaimer, incinerator or other destruction device.

14. TRANSPORT INFORMATION

Road, Rail, Sea and Air Transport

UN Number	None allocated
Proper Shipping Name	None allocated
DG Class	None allocated
Packing Group	None allocated
HAZCHEM Code	2X
IMO/IMDG Class	None allocated
ICAO/IATA Class	None allocated
EMS Code	F – A, S – F
Marine Pollutant	Yes

15. REGULATORY INFORMATION

ERMA NZ
Approval Code HSR002670

16. OTHER INFORMATION

New Zealand National Poison Information Centre (24 hours): 0800 POISON [764 766]
New Zealand Emergency Services: 111

For General Information: Glue Guru
Customer Services
Phone: 09 444 4878 Fax: 09 442 5975

The information provided in this safety data sheet is correct to the best of our knowledge, information and belief at the date or its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material combination with any other material or in any process, unless specified in text.

End of Safety Data Sheet.