

FORTIS AD 822 – PART B**1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

Product Name Fortis AD 822 – Part B
Product Code -
Other Names -
Product Use Epoxy resin
Supplier Name Fortis Adhesives and Coatings
Address 177-179 Ordish Road
Dandenong South VIC 3175
Telephone Number 03 9706 5448
Emergency Telephone 0425 883 566

2. HAZARDS IDENTIFICATION**HAZARDOUS SUBSTANCE. DANGEROUS GOODS.**

Classified as hazardous according to the criteria of Safe Work Australia.

Hazards Xn - Harmful

Risk Phrases R20/22 - Harmful by inhalation and if swallowed.
R36/38 - Irritating to eyes and skin.
R43 - May cause sensitisation by skin contact.

Safety Phrases S2 - Keep out of reach of children.
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28 - After contact with skin, wash immediately with plenty of soap and water.
S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient (common name)	CAS Number	Proportion
Bisphenol A/epichlorohydrin	25085-99-8	>60%
Benzyl alcohol	100-51-6	10-30%

4. FIRST AID MEASURES

Inhalation If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek immediate medical attention.

Ingestion If swallowed do not induce vomiting. Give large quantities of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention. Begin artificial respiration if breathing has stopped. Use mouth to nose rather than mouth to mouth.

Skin If skin or hair contact occurs, immediately remove contaminated

Eyes	clothing and wash skin and hair thoroughly with soap and plenty of water. Seek medical attention if symptoms occur.
Notes to Physician	If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for several minutes until all contaminants are washed out completely. Seek medical attention. Treat symptomatically. If skin sensitization has developed and causal relationship has been confirmed, further exposure should not be allowed.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	For major fires call the Fire Brigade. Ensure that an escape path is available from any fire.
Hazardous Combustion Products	Foam, dry agent (carbon dioxide, dry chemical powder) or water fog.
Firefighting Equipment	Hydrogen chloride and oxides of carbon.
Unusual Fire or Explosion Hazards	Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing.
Hazchem Code	This material will burn. Keep containers cool with water spray. 2X

6. ACCIDENTAL RELEASE MEASURES

Spills	In the event of a major spill, prevent spillage from entering drains or water courses. Wear full protective clothing including eye/face protection and impervious elbow-length gloves. Evacuate general area and deny access to unnecessary and unprotected personnel. Ventilate area of leak or spill. Slippery when spilt. Avoid accidents, clean up immediately. Stop leak if safe to do so and contain spill. Absorb with sand or earth. Collect the material and place into clearly labeled containers for subsequent disposal.
---------------	--

7. HANDLING AND STORAGE

Handling	Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Provide adequate ventilation.
Storage	Store in a cool, dry, well-ventilated area out of direct sunlight. Keep containers tightly closed when not in use. Store at ambient temperatures. Keep away from oxidising agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards (Safe Work Australia)	No exposure standards set.
Engineering Controls	Local exhaust ventilation is recommended when vapours can be

Respiratory Protection	released in excess of established airborne exposure limits. If engineering controls are not effective in controlling airborne exposure then an approved respirator or organic vapour cartridge mask should be used. See Australian Standards AS/NZS 1715 and 1716 for more information.
Eye Protection	Safety glasses with top and side shields. See Australian Standards AS 1336 and AS/NZS 1337 for more information.
Skin Protection	Impervious gloves and suitable protective work wear. See Australian Standards AS 2161 and 2919 and AS/NZS 2210 for more information.
Hygienic Practices	Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear pale yellow liquid
Odour	No information available
Solubility in Water	Negligible
Boiling Point	>200°C
Evaporation Rate (Air=1)	No information available
Vapour Pressure (kPa)	No information available
Vapour Density	No information available
Specific Gravity (g/cm³)	1.1
Flash Point	101°C
Flammable Limit – Lower	1.3%
Flammable Limit – Upper	13%
Ignition Temperature	No information available

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions of storage and handling.
Incompatible Materials	Strong oxidizing agents.
Hazardous Decomposition Products	Hydrogen chloride and oxides of carbon.
Hazardous Polymerization Conditions to Avoid	Will not occur No information available

11. TOXICOLOGICAL INFORMATION

Toxicity	Benzyl alcohol: Oral LD ₅₀ (rat) = 1230 mg/kg Skin LD ₅₀ (rat) = 2000 mg/kg Intravenous LD ₅₀ (mouse) = 53 mg/kg Harmful if swallowed, inhaled or absorbed through the skin. Severe irritant for eyes, skin and respiratory system.
Routes of Exposure	Inhalation, ingestion, eye and skin

Acute Health Effects	Inhalation: Causes irritation of the respiratory tract. Ingestion: Harmful if ingested. Swallowing can result in nausea, vomiting, diarrhoea and abdominal pain. Eye: Causes slight eye irritation. Skin: Causes slight skin irritation. Has caused allergic skin reaction in humans.
Chronic Health Effects	Prolonged or repeated exposure may cause skin sensitization.
Existing Conditions	No information available.
Aggravated by Exposure	
Carcinogenicity	This product does not contain any IARC listed chemicals.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Prevent spillage from entering drains or water courses. Toxic to fish. Not readily biodegradable.
Mobility	Has the potential to bio-accumulate. If product enters soil, it will be mobile and may contaminate groundwater.

13. DISPOSAL CONSIDERATIONS

Disposal methods and containers	Dispose according to applicable local and state government regulations.
Special precautions for landfill or incineration	Please consult your state Land Waste Management Authority for more information

14. TRANSPORT INFORMATION

Classified as a dangerous good according to the Australian Code for the Transport of Dangerous goods by road or rail.

UN Number	3082
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, NOS (epoxy resin)
Dangerous Goods Class	9
Hazchem Code	2X
Packing Group	III
Special Precautions	Not applicable

15. REGULATORY INFORMATION

Bisphenol A/epichlorohydrin, benzyl alcohol are listed in the Australian Inventory of Chemical Substances (AICS).

Poisons Schedule: 5

16. OTHER INFORMATION

Last Revision of MSDS	Rev 1.1 (17/07/2012)
Prepared by	MSDS.COM.AU Pty Ltd www.msds.com.au

Abbreviations Used

IARC: International Agency for Research on Cancer
NTP: National Toxicology Program (U.S.)
OSHA: Occupational Safety and Health Administration (U.S.)
STEL: Short term exposure limit
TWA: Time weighted average

Emergency Contacts

Fortis Adhesives and Coatings	03 9706 5448
Fortis Adhesives and Coatings – Emergency Number	0425 883 566
Police and Fire Brigade	000
Poisons Information Centre	13 11 26

The information contained in this material safety data sheet is provided in good faith and is believed to be accurate at the date of issuance. Fortis Adhesives and Coatings makes no representation of the accuracy or comprehensiveness of the information and to the full extent allowed by law excludes all liability for any loss or damage related to the supply or use of the information in this material safety data sheet. MSDS.COM.AU Pty Ltd is not in a position to warrant the accuracy of the data herein. The user is cautioned to make their own determinations as to the suitability of the information provided to the particular circumstances in which the product is used.

Please read instructions / label before using product.

This MSDS is prepared in accord with the Safe Work Australia document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)]