

SAFETY DATA SHEET

CJSA Epoxy Adhesive - Part B

SECTION 1. SUPPLIER IDENTIFICATION

Name : **CJSA**
Address : Unit 2, 18 Farrow Circuit Seaford Rise,
South Australia 5169,
Australia.

The details and information stated within this SDS have been provided by the manufacturer.
Manufacturer's Reference Number: 13 November 2017
Refer to www.cjsa.net.au to obtain the most recent SDS.

SECTION 1.1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Trade Name : CJSA Epoxy Adhesive - Part B
Recommended use : Epoxy Adhesion

SECTION 2. HAZARDS IDENTIFICATION

This material is hazardous according to health criteria of Safe Work Australia.



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The information and the recommendations relating to the application and end use of this product are given in good faith and are based on the information provided by the manufacturer of the product and/or the Company's current knowledge and experience in connection with the product when properly stored, handled and applied under normal conditions and no liability of final function at the job site is assumed. In practice, the differences in materials substrates and actual site conditions are such that no warranty in respect of merchantability of or fitness for particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written and/or oral recommendations, or from any other advice offered by the Company. The Company also has no express or implied knowledge of any particular purpose for which the product is required and any such information given will not be taken into account in the supply of this product. No responsibility or liability by the Company will be accepted for misuse, misreading or derivation from recommended guidelines in respect of this product and the user shall determine the suitability of the product for his intended use and assume all risks and liability in connection therewith. The information contained in our brochure may change at any time without notice. Any use of this product, CJSA Epoxy Adhesive, in any application should be approved as suitable for use/application by the Design Engineer and Project Manager.

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SAFETY DATA SHEET

CJSA Epoxy Adhesive - Part B

SECTION 2. HAZARDS IDENTIFICATION (continued)

Signal word	Danger	
Hazard Classifications	Acute Toxicity - Oral - Category 4 Acute Toxicity - Dermal - Category 4 Skin Corrosion/Irritation - Category 1B Serious Eye Damage/Irritation - Category 1 Sensitisation - Skin - Category 1 Chronic Hazard to the Aquatic Environment - Category 3	
Hazard Statements	H302 H312 H314 H317 H412	Harmful if swallowed. Harmful in contact with skin. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects.
Prevention Precautionary Statements	P102 P103 P260 P261 P264 P270 P272 P273 P280	Keep out of reach of children. Read label before use. Do not breathe dust, fume, gas, mist, vapours or spray. Avoid breathing dust, fume, gas, mist, vapours or spray. Wash hands, face and all exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective clothing, gloves, eye/face protection and suitable respirator.
Response Precautionary Statements	P101 P301+P310 P301+P330+P331 P302+P352 P303+P361+P353 P304+P340 P305+P351+P338 P310 P312 P330 P333+P313 P363	If medical advice is needed, have product container or label at hand. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN: Wash with plenty of soap and water. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
Storage Precautionary Statements	P405	Store locked up.
Disposal Precautionary Statements	P501	Dispose of contents/container in accordance with local, regional, national and international regulations.
Storage Precautionary	S5. Caution	

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SAFETY DATA SHEET

CJSA Epoxy Adhesive - Part B

SECTION 2. HAZARDS IDENTIFICATION (continued)

Dangerous Good Classification

Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433:Transport of Dangerous Goods on Land".

Dangerous Goods Class 8

Classified as a CI (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS 1940. Refer to State Regulations for storage and transport requirements.

SECTION 3. COMPOSITION INFORMATION

CHEMICAL ENTITY	CAS NO.	PROPORTION
Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl-	2855-13-2	30 - 60 % (w/w)
Benzyl alcohol	100-51-6	30 - 60 % (w/w)
Ingredients determined to be Non-Hazardous		Balance
		100%

SECTION 4. FIRST AID MEASURES

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

Effects may be delayed. This material, or a component of the material, can be absorbed through the skin with resultant toxic effects. 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. For gross contamination, immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water (and soap if material is insoluble). For skin burns, cover with a clean, dry dressing until medical help is available. If blistering occurs, do NOT break blisters. If swelling, redness, blistering, or irritation occurs seek medical assistance.

Eye contact

Immediately irrigate with copious quantities of water for 15 minutes. Eyelids to be held open. Remove clothing if contaminated and wash skin. Urgently seek medical assistance. Transport to hospital or medical centre.

Ingestion

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. Immediately call Poisons Centre or Doctor.

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SAFETY DATA SHEET

CJSA Epoxy Adhesive - Part B

SECTION 4. FIRST AID MEASURES (continued)

PPE for First Aiders

Wear safety shoes, overalls, gloves, apron, safety glasses, respirator. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Available information suggests that gloves made from an impervious material such as 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. Refer to AS/NZS 2161. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

Notes to physician

Treat symptomatically. Effects may be delayed. Can cause corneal burns.

Aggravated medical conditions caused by exposure

Exposure may aggravate existing conditions including skin sensitisation and dermatitis.

SECTION 5. FIRE FIGHTING MEASURES

Hazchem Code	: 2X
Suitable extinguishing media	: If material is involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, standard foam, dry agent (carbon dioxide, dry chemical powder).
Specific hazards	: Combustible liquid. Corrosive substance.
Fire fighting further advice	: On burning or decomposing 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 or decomposition.

SECTION 6. ACCIDENTAL RELEASE MEASURES

SMALL SPILLS

Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours or dust. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.

LARGE SPILLS

Clear area of all unprotected personnel. 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 crops, sewers or waterways has occurred advise local emergency services.

Dangerous Goods - Initial Emergency Response Guide No: 36

SECTION 7. HANDLING AND STORAGE

Handling

Avoid eye contact and skin contact. Avoid inhalation of vapour, mist or aerosols.

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SAFETY DATA SHEET

CJSA Epoxy Adhesive - Part B

SECTION 7. HANDLING AND STORAGE (continued)

Storage

Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Store locked up. Keep container standing upright. Keep containers closed when not in use - check regularly for leaks.

Classified as a C1 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS 1940. Refer to State Regulations for storage and transport requirements.

This material is classified as a Class 8 Corrosive as per the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and/or the "New Zealand NZS5433: Transport of Dangerous Goods on Land" and must be stored in accordance with the relevant regulations.

This material is a Scheduled Poison Schedule 5 (Caution) and must be stored, maintained and used in accordance with the relevant regulations.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National occupational exposure limits

No value assigned for this specific material by Safe Work Australia.

Biological Limit Values

As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" 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

SAFETY SHOES, OVERALLS, GLOVES, APRON, SAFETY GLASSES, RESPIRATOR.

Personal protective equipment (PPE) must be suitable for the nature of the work and any hazard associated with the work as identified by the risk assessment conducted.

Wear safety shoes, overalls, gloves, apron, safety glasses, respirator. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Available information suggests that gloves made from an impervious material such as 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. Refer to AS/NZS 2161. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

Hygiene measures

Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid contact with clothing. Avoid eye contact and skin contact. Avoid inhalation of vapour, mist or aerosols. Ensure that eyewash stations and safety showers are close to the workstation location.



SAFETY DATA SHEET

CJSA Epoxy Adhesive - Part B

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: Liquid
Colour	: Clear
Odour	: Characteristic Odour
Solubility	: N Av
Specific Gravity (20 °C)	: Approx. 0.97
Density	: N Av
Relative Vapour Density (air=1)	: N Av
Vapour Pressure (20 °C)	: N Av
Flash Point (°C)	: >115°C
Flammability Limits (%)	: N Av
Autoignition Temperature (°C)	: N Av
Melting Point/Range (°C)	: N Av
Boiling Point/Range (°C)	: N Av
pH	: N Av
Viscosity	: N Av
Total VOC (g/Litre)	: N Av

(Typical values only - consult specification sheet)

N Av = Not available, N App = Not applicable

SECTION 10. STABILITY AND REACTIVITY

Chemical stability

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

Conditions to avoid

Heat, flames and other ignition sources.

Incompatible materials

Incompatible with oxidising agents and acids.

Hazardous decomposition products

Oxides of carbon and nitrogen, smoke and other toxic fumes.

Hazardous reactions

No known hazardous reactions.

SECTION 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 occurs are:

Acute Effects

Inhalation

Material may be an irritant to mucous membranes and respiratory tract.

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SAFETY DATA SHEET

CJSA Epoxy Adhesive - Part B

SECTION II. TOXICOLOGICAL INFORMATION (continued)

Skin contact

Harmful in contact with skin. Can be absorbed through the skin with resultant toxic effects. Contact with skin will result in severe irritation including itching, redness or rash. Corrosive to skin - may cause skin burns. A skin sensitiser. Repeated or prolonged skin contact may lead to allergic contact dermatitis.

Ingestion

Harmful if swallowed. Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and chemical burns to the gastrointestinal tract.

Eye contact

A severe eye irritant. Symptoms may include redness, pain, stinging, tearing or swelling. Corrosive to eyes: contact can cause corneal burns. Contamination of eyes can result in permanent injury.

Acute toxicity

Inhalation

This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): LC50 > 20.0 mg/L for vapours or LC50 > 5.0 mg/L for dust and mist or LC50 > 20,000 ppm for gas

Skin contact

This material has been classified as a Category 4 Hazard. Acute toxicity estimate (based on ingredients): 1,000 - 2,000 mg/Kg bw

Ingestion

This material has been classified as a Category 4 Hazard. Acute toxicity estimate (based on ingredients): 300 - 2,000 mg/Kg bw

Corrosion/Irritancy

Eye: this material has been classified as a Category 1 Hazard (irreversible effects to eyes).

Skin: this material has been classified as a Category 1B Hazard (irreversible effects to skin).

Sensitisation

Inhalation: this material has been classified as not a respiratory sensitiser.

Skin: this material has been classified as a Category 1 Hazard (skin sensitiser).

Aspiration hazard

This material has been classified as non-hazardous.

Specific target organ toxicity (single exposure)

This material has been classified as non-hazardous.

Chronic Toxicity

Mutagenicity

This material has been classified as non-hazardous.

Carcinogenicity

This material has been classified as non-hazardous.

Reproductive toxicity (including via lactation)

This material has been classified as non-hazardous.

Specific target organ toxicity (repeat exposure)

This material has been classified as non-hazardous.



SAFETY DATA SHEET

CJSA Epoxy Adhesive - Part B

SECTION 12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

Acute aquatic hazard

This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >100 mg/L

Long-term aquatic hazard

This material has been classified as a Category Chronic 3 Hazard. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data, Acute toxicity estimate (based on ingredients): 10 - 100 mg/L, where the substance is not rapidly degradable and/or BCF \geq 500 and/or log Kow \geq 4.

Ecotoxicity

No information available.

Persistence and degradability

No information available.

Bioaccumulative potential

No information available.

Mobility:

No information available.

SECTION 13. DISPOSAL CONSIDERATIONS

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS.

If possible material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional, national and international Regulations.

SECTION 14. TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT

Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".



UN No : 2735
Dangerous Goods Class : 8
Packing Group : II
Hazchem Code : 2X
Emergency Response Guide No : 36

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SAFETY DATA SHEET

CJSA Epoxy Adhesive - Part B

SECTION 14. TRANSPORT INFORMATION (continued)

Proper Shipping Name : AMINES, LIQUID, CORROSIVE, N.O.S. ((CONTAINS ISOPHORONE DIAMINE))

Segregation Dangerous Goods : Not to be loaded with explosives (Class 1), dangerous when wet substances (Class 4.3), oxidising agents (Class 5.1), organic peroxides (Class 5.2), radioactive substances (Class 7) or food and food packaging in any quantity. Note 1: Concentrated strong alkalis are incompatible with concentrated strong acids. Note 2: Concentrated strong acids are incompatible with concentrated strong alkalis. Note 3: Acids are with Dangerous Goods of Class 6 which are cyanides. Exemptions may apply.

MARINE TRANSPORT

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea. This material is classified as a Marine Pollutant (P) according to the International Maritime Dangerous Goods Code.



UN No : 2735
 Dangerous Goods Class : 8
 Packing Group : II

Proper Shipping Name : AMINES, LIQUID, CORROSIVE, N.O.S. ((CONTAINS ISOPHORONE DIAMINE))

AIR TRANSPORT

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.



UN No : 2735
 Dangerous Goods Class : 8
 Packing Group : II

Proper Shipping Name : AMINES, LIQUID, CORROSIVE, N.O.S. ((CONTAINS ISOPHORONE DIAMINE))



SAFETY DATA SHEET

CJSA Epoxy Adhesive - Part B

SECTION 15. REGULATORY INFORMATION

This material is not subject to the following international agreements

Montreal Protocol (Ozone depleting substances)
 The Stockholm Convention (Persistent Organic Pollutants)
 The Rotterdam Convention (Prior Informed Consent)

This material is subject to the following international agreements

Basel Convention (Hazardous Waste)

- Wastes from production, formulation and use of resins, latex, plasticizers, glues/adhesives

This material/constituent(s) is covered by the following requirements

- The Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) established under the Therapeutic Goods Act (Commonwealth).
- All components of this product are listed on or exempt from the Australian Inventory of Chemical Substances (AICS).

SECTION 16. OTHER INFORMATION

Reasons for issue : Revised
 Format change

This information was prepared in good faith from the best information available at the time of issue. It is based on the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. The manufacturer will not be held responsible for any unauthorised use of this information or for any modified or altered versions.

If you are an employer it is your duty to tell your employees, and any others that may be affected, of any hazards described in this sheet and of any precautions that should be taken.

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

The information and the recommendations relating to the application and end use of this product are given in good faith and are based on the information provided by the manufacturer of the product and/or the Company's current knowledge and experience in connection with the product when properly stored, handled and applied under normal conditions and no liability of final function at the job site is assumed. In practice, the differences in materials substrates and actual site conditions are such that no warranty in respect of merchantability of or fitness for particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written and/or oral recommendations, or from any other advice offered by the Company. The Company also has no express or implied knowledge of any particular purpose for which the product is required and any such information given will not be taken into account in the supply of this product. No responsibility or liability by the Company will be accepted for misuse, misreading or derivation from recommended guidelines in respect of this product and the user shall determine the suitability of the product for his intended use and assume all risks and liability in connection therewith. The information contained in our brochure may change at any time without notice. Any use of this product, CJSA Epoxy Adhesive, in any application should be approved as suitable for use/application by the Design Engineer and Project Manager.

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