Section 1 - Identification of The Material and Supplier

Company Details:	**A&I Coatings Pty Ltd**
	7 Lackey Rd, Moss Vale NSW 2577
Phone:	+61 2 4869 1441 (Office Hours)
Fax:	+61 2 4869 3031iel
Website:	www.aicoatings.com
Email:	helpdesk@aicoatings.com
EMERGENCY TEL:	**24 hour number 61 3 8769 0291 or (M) 0458 715 846 or (M) 0429 034 350**
Chemical nature:	Blend of amine modified epoxy and other ingredients.
Trade Name:	**E4110-E4111-E4113-E4116B Standard Hardener**
Other Names:	This is Part B of a two-part system.
Product Use:	Hardener in epoxy coating system.
Creation Date:	**August 2024**
This version issued:	**May 2026** and is valid for 5 years from this date.

Poisons Information Centre: Phone 13 1126 from anywhere in Australia

Section 2 - Hazards Identification

Statement of Hazardous Nature

This product is classified as hazardous according to the model Work Health and Safety Regulations.

SUSMP Classification: S5

DG Classification: Class 8, Corrosive Substance.

This product is classified as a **Dangerous Good** for transport.

UN Number: 2735, POLYAMINES, LIQUID, CORROSIVE, N.O.S.

GHS Signal word: DANGER

HAZARD STATEMENT:

H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.

PREVENTION

P260: Do not breath mists/ vapours or spray.
P264: Wash contacted areas thoroughly after handling.
P272: Contaminated work clothing should not be allowed out of the workplace.
P270: Do not eat, drink or smoke when using this product.
P280: Wear protective gloves, protective clothing, eye protection and face protection.

RESPONSE

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN OR HAIR: Take off immediately all contaminated clothing. Rinse skin with water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTRE or doctor.
P333+P313 If skin irritation or rash occurs: Get medical advice.

STORAGE

P405: Store locked up.

DISPOSAL

P501: If they can not be recycled, dispose of contents to an approved waste disposal plant and containers to landfill (see Section 13 of this SDS).

Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc,%
Amine modified epoxy curing agent	2855-13-2	30-60
Benzyl Alcohol	100-51-6	10-30
2,4,6-Tris (dimethylaminomethyl)phenol	90-72-2	10-30

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other nonhazardous ingredients are also possible.

Section 4 - First Aid Measures

General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.

Inhalation: First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

Skin Contact: Wash gently and thoroughly with warm water (use non-abrasive soap if necessary) for 10-20 minutes or until product is removed. Under running water, remove contaminated clothing, shoes and leather goods (e.g. watchbands and belts) and completely decontaminate them before reuse or discard. If irritation persists, repeat flushing and seek medical attention.

Eye Contact: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15 minutes or until the product is removed, while holding the eyelid(s) open. Take care not to rinse contaminated water into the unaffected eye or onto the face. Obtain medical attention immediately. Take special care if exposed person is wearing contact lenses.

Ingestion: If swallowed, do NOT induce vomiting. Wash mouth with water and contact a Poisons Information Centre, or call a doctor.

Section 5 - Fire Fighting Measures

Fire and Explosion Hazards: The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. Violent steam generation or eruption may occur upon application of direct water stream on hot liquids.

Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

Extinguishing Media: In case of fire, use carbon dioxide, dry chemical, foam, water fog.

Fire Fighting: If a significant quantity of this product is involved in a fire, call the fire brigade.

Flash point: >100°C

Upper Flammability Limit: No data.

Lower Flammability Limit: No data.

Autoignition temperature: No data.

Flammability Class: Not flammable (GHS); C1 combustible (AS 1940)

Section 6 - Accidental Release Measures

Accidental release: In the event of a major spill, prevent spillage from entering drains or water courses. Wear full protective clothing including eye/face protection. All skin areas should be covered. See below under Personal Protection regarding Australian Standards relating to personal protective equipment. Suitable materials for protective clothing include rubber, PVC, Viton. Eye/face protective equipment should comprise as a minimum, protective goggles. If there is a significant chance that vapours or mists are likely to build up in the cleanup area, we recommend that you use a respirator. Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned below (section 8).

Stop leak if safe to do so and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. If spill is too large or if absorbent material is not available, try to create a dike to stop material spreading or going into drains or waterways. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage and dispose of promptly. Recycle containers wherever possible after careful cleaning. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. This material may be suitable for approved landfill. Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

Section 7 - Handling and Storage

Handling:
Avoid all contact with skin and eyes. Use only in well-ventilated areas. Do not breathe vapours, mists or spray. Keep exposure to a minimum and minimise quantities kept in work areas. Refer to Section 8 for personal protective equipment requirements.

Storage:
Store in tightly closed containers in a cool, well-ventilated area, away from acids, oxidising agents and sources of moisture. Store locked up. Containers should be kept dry. Do not store near foodstuffs.
This product is classified as a **Class 8 Dangerous Good** for transport and storage. Storage areas should be designed and managed in accordance with applicable Dangerous Goods regulations.

Section 8 - Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

SWA Exposure Limits	TWA (mg/m^3)	STEL (mg/m^3)
2,4,6-Tris (dimethylaminomethyl) phenol	**4 mg/m3**	**Not available**
Benzyl Alcohol	**45 mg/m3**	**Not available**

Ventilation: This product should only be used in a well-ventilated area. If natural ventilation is inadequate, use of a fan is suggested.
Eye Protection: Chemical splash goggles **and face shield** are recommended due to risk of serious eye damage.
Skin Protection: Wear impervious gloves (nitrile, Viton or equivalent), protective clothing and apron. Prevent all skin contact. Epoxy amines can cause irreversible sensitisation.
Protective Material Types: We suggest that protective clothing be made from the following materials: rubber, PVC, Viton.
Respirator: Usually, no respirator is necessary when using this product. However, if you have any doubts or where ventilation is inadequate, wear an organic vapour respirator, consult the Australian Standard mentioned above.

Section 9 - Physical and Chemical Properties:

Physical Description & colour:	Clear liquid.
Odour:	Ammonia-like.
Boiling Point:	Not available.
Freezing/Melting Point:	No specific data. Liquid at normal temperatures.
Volatiles:	No data.
Vapour Pressure:	No data.
Vapour Density:	No data.
Specific Gravity:	1.0-1.1 kg/L
Water Solubility:	Some, but not all ingredients are soluble.
pH:	No data.
Volatility:	No data.
Odour Threshold:	No data.
Evaporation Rate:	No data.
Coeff Oil/water Distribution:	No data
Autoignition temp:	No data.

Section 10 - Stability and Reactivity

Reactivity: This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf-life properties.
Conditions to Avoid: This product should be kept in a cool place, preferably below 30°C. Keep containers tightly closed. Containers should be kept dry. Keep containers and surrounding areas well ventilated.
Incompatibilities: strong acids, strong bases, strong oxidising agents.
Fire Decomposition: Combustion forms carbon dioxide, and if incomplete, carbon monoxide and possibly smoke. Water is also formed. May form nitrogen and its compounds, and under some circumstances, oxides of nitrogen. Occasionally hydrogen cyanide gas in reducing atmospheres. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.
Polymerisation: Polymerisation reactions are unlikely; they are not expected to occur.

Section 11 - Toxicological Information

Skin Contact:
Corrosive. Causes severe skin burns. May cause sensitisation. Once sensitisation has occurred, further exposure may result in severe allergic response.

Eye Contact:

Causes serious eye damage. Exposure may result in permanent injury.

Inhalation:

Vapours may irritate the respiratory system.

Ingestion:

Harmful if swallowed. May cause burns to the gastrointestinal tract.

Section 12 - Ecological Information

Ecotoxicity:
Contains amine components that are toxic to aquatic organisms and may cause long-term adverse effects in the aquatic environment.
Persistence and Degradability:
No specific data available for the mixture.
Mobility in soil:
Expected to have moderate mobility.
Other adverse effects:
Avoid release to the environment.

Section 13 - Disposal Considerations

Disposal: This product may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use. If it has been contaminated, it may be possible to reclaim the product by filtration, distillation or some other means. If neither of these options is suitable in-house, consider controlled incineration, or contact a specialist waste disposal company.

Section 14 - Transport Information

UN Number: UN 2735
Proper Shipping Name: POLYAMINES, LIQUID, CORROSIVE, N.O.S.
Class: 8, Corrosive
Packing Group: II
Hazchem Code (ADG): 2X

Classified as a Dangerous Good for road, rail, sea and air transport.

Section 15 - Regulatory Information

All components are compliant with the **Australian Inventory of Industrial Chemicals (AIIC**).

Section 16 - Other Information

This SDS contains only safety-related information. For other data see product literature.

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition)
AICS	Australian Inventory of Chemical Substances
SWA	Safe Work Australia, formerly ASCC and NOHSC
CAS number	Chemical Abstracts Service Registry Number
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC	International Agency for Research on Cancer
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
R-Phrase	Risk Phrase
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
UN Number	United Nations Number

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS

OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This SDS has been revised to reflect updated formulation information and hazard classification, including Dangerous Goods status, in accordance with WHS and GHS requirements. It is prepared in accord with the SWA document “Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice” (January 2022 to GHS7).