

SECTION 1 – IDENTIFICATION OF MATERIAL AND SUPPLIER

SUPPLIER:	SOLID SOLUTIONS.
ABN:	46 977 073 014.
ADDRESS:	19 Ardena Court, East Bentleigh, VIC 3165.
TELEPHONE:	(03) 9579 2044.
AH EMERGENCY TELEPHONE:	13 1126 (Poisons Information Centre).
FAX:	(03) 9579 0573.
WEB PAGE:	www.solidsolutions.com.au
Product Name:	Epoxy Bond 5 Minute Adhesive 142 Part B.
Product Use:	Ambient temperature curing agent formulation for mixing with Epoxy Bond 5 Minute Adhesive 142 Part A. Epoxy Bond 5 Minute Adhesive 142 Kit is used in areas such as fast setting adhesion of a variety of substrates.
Manufacturer's Product Code:	Not applicable.
Creation Date:	19 June 2006.
Revision Date:	

SECTION 2 – HAZARDS IDENTIFICATION

This product is classified as a HAZARDOUS SUBSTANCE according to criteria of the ASCC and as DANGEROUS GOODS according to the ADG Code.	
Hazard Category:	Xn: Harmful, Irritant.
Emergency Overview:	Alkaline material may cause burns. Harmful if swallowed. Irritating to eyes and skin.
Acute Skin Contact:	Corrosive. Irritating to eyes and skin. May cause severe skin damage with burns and blistering. May cause allergic reaction in certain individuals. A single prolonged exposure may result in the material being absorbed in harmful amounts.
Chronic Skin Contact:	Corrosive. Irritating to eyes and skin. Possible skin sensitiser. May cause persistent irritation/dermatitis. Prolonged skin contact may result in the material being absorbed in harmful amounts.
Eye Contact:	Alkaline material may cause burns. Irritating to eyes and skin. May cause blurred vision. May cause irritation with corneal injury resulting in permanent vision impairment or even blindness.
Acute Inhalation:	Excessive exposure to vapour or mist are irritating to the upper respiratory tract, causing nasal discharge, and discomfort in eyes, nose, throat, chest. Severe cases may cause difficult breathing/lung damage.
Chronic Inhalation:	May cause lung damage. May cause respiratory sensitisation in susceptible individuals.
Ingestion (Swallowed):	Harmful if swallowed. Moderately toxic. May cause gastrointestinal irritation or ulceration. May cause burns of the mouth and throat.
Symptoms of Overexposure:	Skin irritation, burns and blistering. Irritation of the nose and throat, headache, nausea and vomiting. Eye irritation and blurred vision.
Medical Conditions Aggravated by Exposure:	Existing respiratory conditions, such as asthma and bronchitis. Existing skin conditions.
Primary Routes of Exposure:	Skin, eyes, inhalation.
Risk Statements:	R22 Harmful if swallowed. R36/38 Irritating to eyes and skin.
Safety Statements:	S2 Keep out of the 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-suds.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients:	CAS Number:	Proportion:
Tris[(2-hydroxymethyl, 2-mercaptomethyl)-1,3-propanediol	103758-98-1	> 85% w/w
2,4,6-Tris(dimethylaminomethyl)phenol	90-72-2	< 15% w/w
Total		100 % w/w

SECTION 4 – FIRST AID MEASURES

Scheduled Poisons:	Poisons Information Centre in each Australian State capital city can provide additional assistance for scheduled poisons. (Phone Australia 13 1126) or a doctor (at once).
First Aid Facilities Required:	Eye wash fountains and a general washing facility should be easily accessible in the immediate work area.
Skin Contact:	If skin or hair contact occurs, remove contaminated clothing, wipe excess from skin, and immediately wash skin and hair with soap and running water for at least 15 minutes. Remove contaminated clothing and wash before reuse. If irritation develops seek medical attention.
Eye Contact:	If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 30 minutes. Get prompt medical attention.
Inhalation:	Remove victim to fresh air – avoid becoming a casualty. If not breathing, apply mouth-to-mouth resuscitation. If breathing is difficult, qualified personnel should administer oxygen. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Call a doctor and/or transport to an emergency hospital.
Ingestion (Swallowed):	Give conscious person at least 2 glasses of water. If swallowed DO NOT induce vomiting. If vomiting should occur spontaneously, keep airway clear. Never give anything by mouth if patient is unconscious or is having convulsions. If poisoning occurs, consult a doctor or contact a Poisons Information Centre. Seek immediate medical attention.
Advice to Doctor:	Corrosive. May cause tissue destruction leading to stricture. If lavage is performed, suggest endotracheal and/or esophagoscopy control. If burn is present, treat as any thermal burn, after decontamination. No specific antidote is known. Supportive care. Treatment based on judgement by the doctor in response to reactions of the patient. Excessive exposure may aggravate pre-existing asthma. Poisons Information Centre in each Australian State capital city can provide additional assistance for scheduled poisons.

SECTION 5 – FIRE FIGHTING MEASURES

Hazards from Combustion Products:	Upon combustion, this product may emit carbon monoxide, carbon dioxide, oxides of nitrogen (NO _x), and other possibly toxic gases and vapours on burning.
Hazardous Decomposition Products:	Upon decomposition, this product may emit carbon monoxide, carbon dioxide, oxides of nitrogen (NO _x), and other possibly toxic gases and vapours on burning.
Suitable Extinguishing Media:	Carbon dioxide, dry chemical foam, dry powder. For large-scale fires, alcohol resistant foams are preferred if available. General-purpose synthetic foams or protein foams may function, but much less effectively. Water spray, fog or foam may be used but not as a water jet. If possible, contain fire run off water.
Precautions for Fire Fighting:	In case of fire use large quantities of water, foam, carbon dioxide or a dry chemical. Immediately evacuate the area (including down-wind) of unnecessary personnel. People who are fighting fires must be protected against hazardous combustion products by wearing positive pressure self-contained breathing apparatus and full protective clothing. Do not reseal contaminated containers. If safe to do so, remove container(s) from the path of the fire if it can be done without risk. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.
Hazchem Code:	3X.
Flash Point:	> 108 °C
Solubility in Water:	Appreciable.
Fire Hazards:	Hazardous combustion products: Upon decomposition, this product may emit carbon monoxide, carbon dioxide, oxides of nitrogen (NO _x), and other possibly toxic gases and vapours on burning.
Flammability:	Non-flammable liquid. Product may burn in a fire situation generating toxic vapours or fumes.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spills:	
Personal Precautions:	Evacuate and ventilate spill area. In case of spill, wear full protective equipment including respiratory equipment during clean up as indicated in section 8 below. Isolate hazard area and deny entry.
Environmental Precautions:	Contain spill, e.g. by diking, to prevent entry into sewers, drainage system, surface or ground water systems. In the event of product entering waters or drainage system, or polluting soil or plants contact the Environmental Protection Authority or your local Waste Management Authority.
Major Spill:	If transportation spill, dial “000” for Police or Fire Brigade. Large quantities may be pumped into closed containers for disposal.
Minor Spill:	Dilute with water and recover or use inert material (e.g. sand, and shovel into suitable container e.g. appropriately labelled open top drums. Do not use sawdust, wood chips or other cellulosic materials to absorb the spill, as the possibility for spontaneous combustion exists.
Clean Up:	Wash spill residue with warm, soapy water if necessary.

SECTION 7 – HANDLING AND STORAGE

Handling:	Avoid all personal contact, including skin and eye contact and inhalation. Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area. Avoid contact with incompatible materials. When handling, DO NOT eat, drink or smoke. Keep containers closed at all times. Avoid physical damage to containers. Always wash hands with soap and water after handling. Work clothes should be laundered separately. Launder contaminated clothing before re-use.
Storage:	Store indoors at 4 to 32 °C in original, unopened containers. Store away from strong oxidising agents, acids. Masses of more than 0.5 kg of product plus an epoxy resin will cause irreversible polymerization with considerable heat build-up.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits:	National Occupational Exposure Limits, as published by National Occupational Health & Safety Commission: Time-weighted Average (TWA): None established for this product or its ingredients. Short Term Exposure Limit (STEL): None established for this product or its ingredients.
Engineering Controls:	Breathing of vapours must be avoided. Good room ventilation is usually adequate for most operations. Local exhaust ventilation may be necessary for some operations. Ensure airflow, where this product is used, is directed away from the operators.
Personal Protection:	<u>Respiratory protective equipment:</u> Avoid breathing dust (or) vapour (or) spray mist. Suitable breathing mask where ventilation is inadequate. <u>Eye protection:</u> Avoid contact with eyes. Wear eye protection when mixing or using. The use of face shields, chemical goggles, or safety glasses with side shield protection is recommended. <u>Hand protection:</u> Avoid contact with skin. Wear protective gloves when mixing or using. Chemical resistant gloves (e.g. Butyl, Neoprene, Viton, Polyethylene/Ethylene Vinyl Alcohol/ Polyethylene (or PE/EVAL/PE) or Dupont Barricade gloves complying with AS 2161) are recommended. <u>Clothing:</u> Suitable protective clothing complying with AS 2919 (Industrial Clothing), suitable footwear complying with AS/NZS 2210 (Occupational protective footwear - Guide to selection, care and use).

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES
Physical Description/
Properties:

Appearance:	Water white to light amber viscous liquid.
Colour:	Water white to light amber.
Odour:	Strong odour.
pH:	Not determined.
Vapour Pressure:	<1 mm Hg @ 20 °C.
Vapour Density:	Heavier than air.
Boiling Point/ Range:	> 90 °C.
Freezing/ Melting Point:	Not available.
Solubility in Water:	Appreciable.
Specific Gravity:	1.13.
Flashpoint:	> 108 °C.
Flammability Limits:	Not applicable.
Ignition Temperature:	Ca .300 °C.

Other Properties:

Volatile Organic Compounds (VOC) Content:	0 % v/v.
Per Cent Volatile:	0 % v/v.
Solubility in Solvents:	Soluble in many organic solvents.
Stability:	Stable under normal conditions.

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal storage conditions.
Conditions to Avoid:	Can autoignite in air at approximately 300 °C. Excessive heating over long periods of time degrades the product.
Materials to Avoid:	This product should not come into contact with copper or copper bearing alloys. Avoid contact with strong oxidising agents, acids or halogenated compounds such as methylene chloride. Reactions may be slow initially, then may rapidly generate heat and vapour pressure. Masses of more than 0.5 kg of product plus an epoxy resin will cause irreversible polymerization with considerable heat build-up.
Hazardous Decomposition:	Upon decomposition, this product may emit carbon monoxide, carbon dioxide, oxides of nitrogen (NO _x), and other possibly toxic gases and vapours on burning.
Hazardous Polymerisation:	Will not occur by itself, but masses of more than 0.5 kg of product plus an epoxy resin will cause irreversible polymerization with considerable heat build-up.

SECTION 11 – TOXICOLOGICAL INFORMATION
Health Effects:
Acute:
Swallowed: No data available.

Eye: No data available.

Skin: No data available.

Inhaled: No remarkable effects.

Carcinogenicity: No data available.

Reproductive and No data available.

Developmental Toxicity:
Acute Toxicity Data (Oral) LD₅₀ (rat) 2,140 to 3990 mg/kg.

(Oral):
Acute Toxicity Data Slightly toxic; corrosive.

(Dermal):
Acute Toxicity Data No data available.

(Inhalation):
Chronic Toxicity Data: No data available.

Sensitisation: No data available.

SECTION 12 – ECOLOGICAL INFORMATION
Movement & Partitioning No data available.

Degradation & No data available.

Persistence:
Fish Toxicity: No data available.

Algae Toxicity: No data available.

Invertebrates Toxicity: No data available.

Toxicity to No data available.

Microorganisms:
General: DO NOT DISCHARGE INTO DRAINS, WATERWAYS, SEWER OR ENVIRONMENT. Product appreciably soluble in water. Keep from entering waste-water, soil or surface waters. Inform local authorities if this occurs.

SECTION 13 – DISPOSAL CONSIDERATIONS

Any disposal of product, drain and rinse liquid, or containers, must be in accordance with all State, Territory and/or Local government regulations. Liquids are usually incinerated in an approved facility. Waste characterisation and disposal compliance are the responsibility solely of the party generating the waste or deciding to discard or dispose of the material. None of these waste management options should be considered "arranging for disposal".

SECTION 14 – TRANSPORT INFORMATION
General: This material is a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

UN Number: 2735.

UN Proper Shipping Name: AMINES, LIQUID, CORROSIVE. (Contains 2,4,6-Tris(dimethylaminomethyl)phenol).

ADG Class: 8.

ADG Subsidiary Risk: Not Applicable.

Packing Group: III.

HAZCHEM Code: 3X.

Flammability: Non-flammable liquid. Product may burn in a fire situation generating toxic vapours or fumes.

SECTION 15 – REGULATORY INFORMATION	
SUSDP:	Poisons Schedule Number S5 allocated.
AICS:	All ingredients present on AICS.
Labelling Details:	
Hazard Category:	Xn: Harmful, Irritant.
Risk Statements:	R22 Harmful if swallowed. R36/38 Irritating to eyes and skin.
Safety Statements:	S2 Keep out of the 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-suds.
ADG Code:	Class 8.

SECTION 16 – OTHER INFORMATION															
Acronyms:	<table border="0"> <tr> <td>SUSDP</td> <td>Standard for the Uniform Scheduling of Drugs and Poisons.</td> </tr> <tr> <td>ADG Code</td> <td>Australian Code for the Transport of Dangerous Goods by Road and Rail.</td> </tr> <tr> <td>CAS Number</td> <td>Chemical Abstracts Service Registry Number.</td> </tr> <tr> <td>UN Number</td> <td>United Nations Number.</td> </tr> <tr> <td>HAZCHEM</td> <td>An emergency action code of numbers and letters which gives information to emergency services.</td> </tr> <tr> <td>ASCC</td> <td>Australian Safety and Compensation Council.</td> </tr> <tr> <td>AICS</td> <td>Australian Inventory of Chemical Substances.</td> </tr> </table>	SUSDP	Standard for the Uniform Scheduling of Drugs and Poisons.	ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail.	CAS Number	Chemical Abstracts Service Registry Number.	UN Number	United Nations Number.	HAZCHEM	An emergency action code of numbers and letters which gives information to emergency services.	ASCC	Australian Safety and Compensation Council.	AICS	Australian Inventory of Chemical Substances.
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Issue Date:	19 June 2006.														
Supersedes Issue Date:	22 May 2001.														
Revision Information:	Reformat.														
Contact Point:	Regulatory Affairs Manager.														
Telephone:	(03) 9579 2044.														
Note:	Safety Data Sheets are updated frequently. Please ensure that you have a current copy.														
Disclaimer:	This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of this product, and in particular how to safely handle and use this product in the workplace. Since Solid Solutions cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this SDS in the context of how the user intends to handle and use the product in the workplace. This SDS does not represent a guarantee for the properties of the product(s) described in terms of the legal warranty regulations. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.														