

Safety Data Sheet

SDI 100 Fast Cure Epoxy Part B



Version 1

Section 1: Identification of the substance / mixture and of the supplier

Trade Name	SDI 100 Fast Cure Epoxy Coating Part B
Company	SDI Resin Systems
Address	5/26 Access Crescent, Coolum Beach Qld 4573
Telephone	0438 444 400
Emergency Telephone Number	0438 444 400 (Monday-Friday 8:30am-5:00pm)
Revision Date	23 rd Jan 2025

Section 2: Hazards Identification

GHS Classification:	Acute toxicity, oral (Category 4) Acute toxicity, Inhalation (Category 4) Skin corrosion/irritation (Category 1B) Serious eye damage/ eye irritation (Category 1) Skin sensitisation (Sub-category 1B)
---------------------	--

GHS Label elements, including precautionary statements

Pictogram



Signal word Danger

Hazard statement(s)

H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H317	May cause an allergic skin reaction
H332	Harmful if inhaled
H412	Harmful to aquatic life with long lasting effects

Precautionary statement(s)

P261	Avoid breathing dust / fumes / gas / mist / vapours / spray/
P270	Do not eat, drink or smoke when using this product.
P280	Wear protective gloves / eye protection / face protection.

Response

P302 + P361 + P353	IF ON SKIN (or hair): Remove / take off immediately all contaminative clothing. Rinse skin with water / shower.
P301 + P330 + P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
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 CENTER or doctor / physician.
P333 + P313	If skin irritation or rash occurs: Get medical advice / attention.
P363	Wash contaminated clothing before reuse.

Disposal

P501	Dispose of contents / container to an approved waste disposal plant
------	---

Section 3: Composition / Information on Ingredients

Chemical Name	CAS No.	Weight %
m-phenylenebis(methylamine)	1477-50-0	1- 80
4,4'- Isopropylidenediphenolepichlorohydrin copolymer Common Name: Bisphenol A diglycidyl ether polymer	25068-38-6	1-50
Benzyl Alcohol	100-51-6	1- 60
Other ingredients determined not to be hazardous	-	To 100

CHEMICAL FAMILY: m-phenylenebis(methylamine)

Section 4: First Aid Measures

General Advice	Seek medical advice. If breathing has stopped or is laboured give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped begin cardiopulmonary resuscitation immediately.
Inhalation	Remove the source of contamination or move the victim to fresh air. Ensure airways are clear and have qualified person give oxygen through a face mask if breathing is difficult. If symptoms develop and persist seek medical attention.
Ingestion	DO NOT INDUCE VOMITING. Immediately wash out mouth with water. If symptoms persist seek medical attention.
Skin	Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard. If symptoms develop seek medical attention.

Eye	If contact with the eye(s) occurs, wash with copious amounts of water holding eyelid(s) open. Take care not to rinse contaminated water unto the non-affected eye. If symptoms persist seek medical attention.
First Aid Facilities	Eye wash and normal wash room facilities.
Advice to Doctor	Treat symptomatically
Other Information	For advice, contact a Poisons Information Center (Phone e.g Australia 131 126)

Section 5: Fire Fighting Measures

Suitable extinguishing media	Use water spray, carbon dioxide, dry chemical or foam.
Hazards from Combustion Products	Under fire conditions this product may emit toxic and/or irritating fumes including Oxides of Carbon and Oxides of Nitrogen.
Precautions in connection with Fire	Full protective clothing and self-contained breathing apparatus. Operated in a positive pressure mode. Water spray may be used to keep fire exposed containers cool.

Section 6: Accidental Release Measures

Emergency procedures	Wear appropriate personal protective equipment and clothing to minimise exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unnecessary personnel. If possible contain the spill. Place inert absorbent material onto spillage. Use clean non-sparkling tools to collect the material and place in a suitable labelled container. Do not dilute material but contain. Dispose of waste according to federal, Environmental Protection Authority and state regulations. If the spillage enters the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.
----------------------	---

Section 7: Handling and Storage

Storage

Precautions for Safe Handling	Do not get into eyes, on skin or on clothing. Use only with adequate ventilation. Avoid contact with skin, eyes and clothing. Avoid prolonged or repeated contact with skin, eyes and clothing. Wash thoroughly after handling. DANGER. Corrosive to the eyes, corrosive to the skin. Maybe harmful if swallowed. Causes respiratory tract irritation. May cause skin sensitisation. Containers, even those that have been emptied, can contain hazardous product residues. Wash with soap and water before eating, drinking, smoking, applying cosmetics, or using toilet facilities. Launder contaminated clothing before reuse. Contaminated leather articles, including shoes cannot be decontaminated and should be destroyed to prevent reuse.
-------------------------------	--

Conditions for Safe Storage Store under inert gas. Moisture sensitive. Sensitive to Carbon Dioxide. Keep container tightly closed in a dry and well ventilated place out of direct sunlight. Keep containers closed when not in use.

Section 8: Exposure Controls / Personal Protection

National Exposure Standards No exposure standards have been established for this material by the Australian National Occupational Health and Safety Commission (NOHSC) or the Occupational Safety and Health Service (OHS) of the New Zealand Department of Labour. However, exposure standards for ingredients are stated below:
 Australian National Occupational Health and Safety Commission (NOHSC) exposure standards:

Biological Limit Values No biological limit allocated.

Engineering Controls Provide sufficient ventilation to keep airborne levels below the exposure limit. Where vapours or mist are generated, particularly in enclosed areas, and natural ventilation is inadequate, a local exhaust ventilation system is required.
 Provide readily accessible eye wash stations and safety showers.

Respiratory Protection Where ventilation is inadequate the use of an Air Purifying Respirator with a replaceable organic vapour filter complying with AS/NZS 1715 and AS/NZS 1716 is recommended.

Eye Protection Safety glasses with side shields, goggles or full-face shield as appropriate recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 – Eye protectors for Industrial Applications.

Hand Protection Wear gloves of impervious material such as impervious PVC or rubber gloves. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1 Occupational protection gloves – Selection use and maintenance.

Body Protection Suitable work wear should be worn to protect personal clothing. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial Clothing.

Exposure Limits

Phenol	Time Weighted Average (TWA): EH40 WEL	2 ppm -	
Phenol	Time Weighted Average (TWA): EU ELV	2 ppm	7.8 mg/m3
Phenol	Time Weighted Average (TWA): EH40 WEL	2 ppm	7.8 mg/m3
Phenol	Short Term Exposure Limit (STEL): EH40 WEL	4 ppm	16 mg/m3

Section 9: Physical and Chemical Properties

Form Low Viscosity Liquid

Colour	Yellow
Odour	Amine like
pH	Not Available
Melting Point	Not Available
Flash Point	113°C (Closed Cup)
Boiling Point	265 °C at 993 hPa – lit
Vapour Density	Not Available
Vapour Pressure	0.69Pa @ 20°C (OECD Test Guideline 104)
Density	1.00 to 1.10
Auto-Ignition Temperature	Not Available
Flammable Limits – Lower	Not Available
Flammable Limits – Upper	Not Available

Section 10: Stability and Reactivity

Chemical Stability	Stable under normal conditions.
Conditions to Avoid	Extremes of temperature and direct sunlight. Exposure to water vapour.
Incompatible Materials	Strong oxidising agents.
Hazardous Decomposition Products	Nitrogen oxides Carbon Monoxide Carbon Dioxide

Section 11: Toxicological Information

Acute oral toxicity	LD50 Oral Rat, male >930 mg/kg
Acute dermal Toxicity	LD50 Dermal Rat, male and female > 3100 mg/kg
Acute Inhalation	LC50: 1.34 mg/l (mist), Rat, (OECD Test Guideline 403)
Skin Corrosion/Irritation	Corrosive, rat Result: Cause burns – 4h

Serious Eyes Damage / Irritation	Remarks: Cause serious eye damage
Respiratory or Skin Sensitisation	Local lymph node assay (LLNA) - Mouse Result: positive (OECD Test Guideline 429)

Chronic toxicity or effects from long term exposures

Carcinogenicity	No data available
Reproductive toxicity	No data available
Germ cell mutagenicity	Test Type: Ames test Test system: Escherichia coli/Salmonella typhimurium Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 471 Result: negative Test Type: Chromosome aberration test in vitro Test system: Chinese hamster ovary cells Metabolic activation: without metabolic activation Method: OECD Test Guideline 473 Result: negative Test Type: In vitro mammalian cell gene mutation test Test system: mouse lymphoma cells Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 476 Result: negative
Specific target organ systemic toxicity (single exposure)	Corrosive to the respiratory tract.
Specific target organ systemic toxicity (repeated exposure)	No data available
Aspiration hazard	No data available

Section 12: Ecological Information

Toxicity to fish	Semi-static test LC50 – Leuciscus idus (Golden Orfe) – 87.6 mg/l - 96.0 h
Toxicity to daphnia and other aquatic invertebrates	Immobilisation EC50 – Daphnia Magna (Water Flea) – 15.2mg/l – 48 h (OECD Test Guideline 202)
Toxicity to Algae	Static test EC50 – Desmodesmus Subspicatus (Green Algae) 33.3 mg/l – 72 h
Toxicity to bacteria	EC50: >1000mg/l, 3hr, Activated sludge, OECD 209
Toxicity to daphnia and other aquatic invertebrates (Chronic)	semi-static test LC50 - Daphnia magna (Water flea) - 6.77 mg/l -21d (OECD Test Guideline 211)

toxicity)

Abiotic Degradability	The product is potentially degradable
Biological Degradation	49% Degradation 28 days
Mobility	The product is miscible with water/ May spread in water system
Environmental Protection	Do not allow product to enter drains, waterways or sewers.
Other adverse effects	No further relevant information available

Section 13: Disposal Considerations

Disposal Considerations	Dispose of waste according to federal, EPA and state regulations. Do not allow product to enter drains, waterways or sewers.
-------------------------	--

Section 14: Transport Information

ADG	UN/ID No : UN2735 Proper shipping name : m-phenylenebis(methylamine) Class : 8 Packing Group : II Marine Pollutant : No
IATA	UN/ID No : UN2735 Proper shipping name : m-phenylenebis(methylamine) Class : 8 Packing Group : II ERG : 8L Marine Pollutant : No
IMDG	UN/ID No : UN2735 Proper shipping name : m-phenylenebis(methylamine) Class : 8 Packing Group : II EmS : F-A, S-B Marine Pollutant : No
RID / ADR	UN/ID No : UN2735 Proper shipping name : m-phenylenebis(methylamine) Class : 8 Packing Group : II EAC : 2X HIN : 80 Marine Pollutant : No

Section 15: Regulatory Information

Regulatory Information	Australia: Classified as hazardous according to criteria of National Occupational Health and Safety Commission (NOHSC).
------------------------	---

Safety Data Sheet

SDI 100 Fast Cure Epoxy Part B



Version 1

Poisons Schedule
Schedule 5

Section 16: Other Information

Contact Person/Point PRODUCT INFORMATION MANAGER: 0438 444 400
5/26 Access Crescent, Coolum Beach Qld 4573.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a 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 designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.