



# EpiMax SAFETY DATA SHEET

Product Name **EpiMax EP BINDER PART A**

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Supplier Name** EPIMAX TECHNOLOGIES PTY LTD  
**Address** 23 Hargraves Place, Wetherill Park NSW 2164  
**Telephone** 1300 721 522  
**✉/ 📧 🌐 🌐** info@epimax.com.au  
**Emergency** 13 11 26  
**Synonym(s)** EpiMax EP BINDER PART A • 503410655 – PRODUCT CODE  
**Use(s)** Two component epoxy system. Part A for epoxy resin system.  
**SDS Date** 12/07/23

## 2. HAZARDS IDENTIFICATION

**GHS Classifications** Skin sensitisation: Category 2A  
Eye Irritation: Category 1  
Skin Irritation: Category 2

**Signal Word** **WARNING**



### HAZARD STATEMENTS

H315 Causes skin irritation  
H319 Causes serious eye irritation  
H317 May cause allergic reaction

### PREVENTION STATEMENTS

P261 Avoid breathing dust/ fumes/ gas/ mists/ vapours/ spray  
P280 Wear protective gloves/protective clothing/eye protection/face protection

### RESPONSE STATEMENTS

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

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P362 Take off contaminated clothing and wash before reuse  
P363 Wash contaminated clothing before reuse

**STORAGE STATEMENTS**

P405 Store locked up

**DISPOSAL STATEMENTS**

P501 Dispose of contents/ container in accordance with relevant regulations

<b>UN No.</b>	1760	<b>DG CLASS</b>	8	<b>Subsidiary Risk(s)</b>	None Allocated
<b>Packing Group</b>	III	<b>Hazchem Code</b>	2X		

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

<b>Ingredient</b>	<b>CAS NO.</b>	<b>Content</b>
EPOXY RESIN	25068-38-6	> 60%
NON HAZARDOUS INGREDIENTS OR THOSE NOT AFFECTING CLASSIFICATION		To 100%

**4. FIRST AID MEASURES**

**Eye** If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.

**Inhalation** If inhaled, remove from contaminated area. To protect rescuer, use a Type A (Organic vapour) respirator or an Airline respirator (in poorly ventilated areas). Apply artificial respiration if not breathing.

**Skin** Corrosive. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons Information Centre or a doctor.

**Ingestion** For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting.

**Special Treatment** Treat symptomatically.

**First Aid Facilities** Eye wash facilities and safety shower should be available.

**5. FIRE FIGHTING MEASURES**

**Special Hazards** Combustible. May evolve toxic gases (carbon/ nitrogen oxides, amines, ammonia, hydrocarbons) when heated to decomposition.

**Advice for firefighters** Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to

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cool intact containers and nearby storage areas.

**Extinguishing Media** Dry agent, carbon dioxide or foam. Prevent contamination of drains or waterways.

## 6. ACCIDENTAL RELEASE MEASURES

**Spillage** Contact emergency services where appropriate. Use personal protective equipment. Clear area of all unprotected personnel. Ventilate area where possible. Contain spillage, then cover / absorb spill with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal. Eliminate all ignition sources.

## 7. STORAGE AND HANDLING

**Storage** Store in a cool, dry, well ventilated area, removed from oxidising agents, alkalis, acids, heat or ignition sources and foodstuffs. Ensure packages are adequately labelled, protected from physical damage and sealed when not in use. Store as a Class C1 Combustible Liquid (AS1940).

**Precautions for safe handling** Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTIONS

**Exposure Stds** No exposure standard (s) allocated.

**Biological Limits** No biological limit allocated.

**Engineering Controls** Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended.

**PPE** Wear splash-proof goggles, nitrile or viton (R) gloves, coveralls and a Type A (Organic vapour) respirator. If sanding dry product, wear: a Class P1 (Particulate) respirator. If spraying, with prolonged use, or if in confined areas, wear: impervious coveralls and an Air-line respirator.



## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	LIGHT YELLOW FLUID	<b>Solubility (water)</b>	INSOLUBLE
<b>Odour</b>	CHARACTERISTIC	<b>Specific Gravity</b>	1.00 TO 1.03
<b>pH</b>	NOT AVAILABLE	<b>% Volatiles</b>	< 1 %
<b>Vapour Pressure</b>	NOT AVAILABLE	<b>Flammability</b>	CLASS C1 COMBUSTIBLE
<b>Vapour Density</b>	NOT AVAILABLE	<b>Flash Point</b>	140 °C
<b>Boiling Point</b>	200 °C	<b>Upper Explosion Limit</b>	NOT AVAILABLE

**Product Name: EpiMax EP BINDER PART A**

<b>Melting Point</b>	NOT AVAILABLE	<b>Lower Explosion Limit</b>	NOT AVAILABLE
<b>Evaporation Rate</b>	NOT AVAILABLE		
<b>Autoignition Temperature</b>	140 °C	<b>Decomposition Temperature</b>	NOT AVAILABLE
<b>Partition Coefficient</b>	NOT AVAILABLE	<b>Viscosity</b>	NOT AVAILABLE

**10. STABILITY AND REACTIVITY**

<b>Chemical Stability</b>	Stable under recommended conditions of storage.
<b>Conditions to avoid</b>	Avoid heat, sparks, open flames and other ignition sources.
<b>Material to avoid</b>	Incompatible with oxidising agents (eg hypochlorites), acids (eg. nitric acid), alkalis (eg. hydroxides), heat and ignition sources.
<b>Hazardous Decomposition Products</b>	May evolve toxic gases (carbon/ nitrogen oxides, amines, ammonia, hydrocarbons) when heated to decomposition.
<b>Hazardous Reactions</b>	Hazardous polymerization is not expected to occur.

**11. TOXICOLOGICAL INFORMATION**

<b>Health hazard summary</b>	Corrosive. This product has the potential to cause adverse health effects. Use safe work practices to avoid eye or skin contact and inhalation. Potential sensitising agent. Individuals with pre-existing respiratory impairment (eg asthmatics) or skin sensitivities may be more susceptible to adverse health effects.
<b>Eye</b>	Causes burns. Contact may result in irritation, lacrimation, pain, redness, corneal burns and possible permanent damage.
<b>Inhalation</b>	Corrosive. Over exposure may result in irritation of the nose and throat, coughing, burning sensation, nausea and dizziness. May cause sensitisation by inhalation. High level exposure may result in breathing difficulties, ulceration, pulmonary oedema and unconsciousness.
<b>Skin</b>	Causes burns. Contact may result in irritation, redness, pain, rash, dermatitis and possible burns. May cause sensitisation by skin contact.
<b>Ingestion</b>	Corrosive. Ingestion may result in burns to the mouth and throat, nausea, vomiting, ulceration of the gastrointestinal tract, breathing difficulties, circulatory collapse and coma.
<b>Toxicity Data</b>	No data available

**12. ECOLOGICAL INFORMATION**

**Product Name: EpiMax EP BINDER PART A**

**Other adverse effects** Limited ecotoxicity data was available for this product at the time this report was prepared. Ensure appropriate measures are taken to prevent this product from entering the environment.

**13. DISPOSAL CONSIDERATIONS**

**Waste disposal** Mix parts A + B together (small amounts), absorb with sand, vermiculite or similar and dispose of to an approved landfill site. Ensure protective equipment is worn when mixing. Do not seal containers/tins until reaction is complete. Contact the manufacturer for additional information. Prevent contamination of drains or waterways as environmental damage may result.

**Legislation** Dispose of in accordance with relevant local legislation.

**14. TRANSPORT INFORMATION**



<b>Shipping Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID N.O.S				
<b>UN No.</b>	3082	<b>DG CLASS</b>	9	<b>Subsidiary Risk(s)</b>	None Allocated
<b>Packing Group</b>	III	<b>Hazchem Code</b>	2X	<b>GTEPG</b>	8A1

**IATA**

<b>Shipping Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID N.O.S				
<b>UN No.</b>	3082	<b>DG CLASS</b>	9	<b>Subsidiary Risk(s)</b>	None Allocated
<b>Packing Group</b>	III				

**IMDG**

<b>Shipping Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID N.O.S				
<b>UN No.</b>	3082	<b>DG CLASS</b>	9	<b>Subsidiary Risk(s)</b>	None Allocated
<b>Packing Group</b>	III				

**15. REGULATORY INFORMATION**

**Poison Schedule** Classified as a Schedule 5 (S5) Poison using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

**AICS** All chemicals listed on the Australian Inventory of Chemical Substances (AICS).

**16. OTHER INFORMATION**

**Additional information** This product is used in conjunction with EP BINDER PART B

WELDING - SANDING - CUTTING DRIED OR CURED PRODUCT: If sanding, cutting or welding dried or cured product, adverse health effects may be avoided by the use of appropriate

**Product Name:**

## **EpiMax EP BINDER PART A**

engineering controls and/or personal protective equipment. If welding, wear a Class P2 (Metal fume) respirator and depending on the nature of the surface being welded, additional protection (eg. for organic vapours/acid gas) may also be required. A Class P1 (Particulate) respirator is recommended if dust is generated.

**RESPIRATORS:** In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

### **ABBREVIATIONS:**

ACGIH - American Conference of Industrial Hygienists.

ADG - Australian Dangerous Goods.

BEI - Biological Exposure Indice(s).

CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds.

CNS - Central Nervous System.

EC No - European Community Number.

HSNO - Hazardous Substances and New Organisms.

IARC - International Agency for Research on Cancer.

mg/m<sup>3</sup> - Milligrams per Cubic Metre.

NOS - Not Otherwise Specified.

pH - relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).

PPM - Parts Per Million.

RTECS - Registry of Toxic Effects of Chemical Substances.

STEL - Short Term Exposure Limit.

SWA - Safe Work Australia.

TWA - Time Weighted Average.



# EpiMax SAFETY DATA SHEET

Product Name **EP BINDER PART B**

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier Name	EPIMAX TECHNOLOGIES PTY LTD
Address	23 Hargraves Place, Wetherill Park NSW 2164
Telephone	1300 721 522
Fax	(02) 9904 3207
Emergency	13 11 26
Synonym(s)	EP BINDER PART B • 503410555 – PRODUCT CODE
Use(s)	Two component epoxy system. Hardener for epoxy resin system.
SDS Date	12/07/23

## 2. HAZARDS IDENTIFICATION

**GHS Classifications**

Acute Toxicity: Inhalation: Category 4  
Eye Damage: Category 1  
Skin corrosion/ irritation: Category 1B  
Skin sensitisation: Category 1

**Signal Word** **DANGER**



### HAZARD STATEMENTS

H332	Harmful if inhaled
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H317	May cause an allergic skin reaction

### PREVENTION STATEMENTS

P260	Do not breathe dust/fume gas/mist/vapours/spray
P272	Contaminated work clothing should not be allowed out of the workplace
P280	Wear protective gloves/protective clothing/eye protection/face protection

**Product Name: EP BINDER PART B**

**RESPONSE STATEMENTS**

P301+P330+ P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting  
P303+P361 +P353 IF ON SKIN: Remove / Take off immediately all contaminated clothing. Rinse skin with water/  
shower  
P304 + P340 IF INHALED: remove to fresh air and keep at rest in a position comfortable for breathing  
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 / physician.  
P321 Specific treatment is advised – see first aid instructions  
P333+313 If skin irritation or rash occurs: Get medical advice/ attention

**STORAGE STATEMENTS**

P405 Store locked up

**DISPOSAL STATEMENTS**

P501 Dispose of contents/ container in accordance with relevant regulations

<b>UN No.</b>	2735	<b>DG CLASS</b>	8	<b>Subsidiary Risk(s)</b>	None Allocated
<b>Packing Group</b>	III	<b>Hazchem Code</b>	2X		

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

AMINO ETHYL PIPERAZINE		000140-31-8	25%-50%
ISOPHORONE DIAMINE		002855-13-2	> 25%
BENZYL ALCOHOL	00100-51-6		15%-25%

**4. FIRST AID MEASURES**

**Eye** If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.

**Inhalation** If inhaled, remove from contaminated area. To protect rescuer, use a Type A (Organic vapour) respirator or an Airline respirator (in poorly ventilated areas). Apply artificial respiration if not breathing.

**Skin** Corrosive. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons Information Centre or a doctor.

**Ingestion** For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting.

**Special Treatment** Treat symptomatically.

**First Aid Facilities** Eye wash facilities and safety shower should be available.

**5. FIRE FIGHTING MEASURES**



**Product Name: EP BINDER PART B**

<b>Special Hazards</b>	Combustible. May evolve toxic gases (carbon/ nitrogen oxides, amines, ammonia, hydrocarbons) when heated to decomposition.
<b>Advice for firefighters</b>	Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.
<b>Extinguishing Media</b>	Dry agent, carbon dioxide or foam. Prevent contamination of drains or waterways.
<b>Hazchem Code</b>	2X


**6. ACCIDENTAL RELEASE MEASURES**

<b>Spillage</b>	Contact emergency services where appropriate. Use personal protective equipment. Clear area of all unprotected personnel. Ventilate area where possible. Contain spillage, then cover / absorb spill with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal. Eliminate all ignition sources.
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**7. STORAGE AND HANDLING**

<b>Storage</b>	Store in a cool, dry, well ventilated area, removed from oxidising agents, alkalis, acids, heat or ignition sources and foodstuffs. Ensure packages are adequately labelled, protected from physical damage and sealed when not in use. Store as a Class C1 Combustible Liquid (AS1940).
<b>Precautions for safe handling</b>	Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTIONS**

<b>Exposure Stds</b>	No exposure standard (s) allocated.	
<b>Biological Limits</b>	No biological limit allocated.	
<b>Engineering Controls</b>	Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended.	
<b>PPE</b>	Wear splash-proof goggles, nitrile or viton (R) gloves, coveralls and a Type A (Organic vapour) respirator. If sanding dry product, wear: a Class P1 (Particulate) respirator. If spraying, with prolonged use, or if in confined areas, wear: impervious coveralls and an Air-line respirator.	

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Product Name: EP BINDER PART B**

<b>Appearance</b>	FLUID	<b>Solubility (water)</b>	NOT AVAILABLE
<b>Odour</b>	CHARACTERISTIC	<b>Specific Gravity</b>	1.00 TO 1.03
<b>pH</b>	NOT AVAILABLE	<b>% Volatiles</b>	< 1 %
<b>Vapour Pressure</b>	NOT AVAILABLE	<b>Flammability</b>	CLASS C1 COMBUSTIBLE
<b>Vapour Density</b>	NOT AVAILABLE	<b>Flash Point</b>	101 °C
<b>Boiling Point</b>	200 °C	<b>Upper Explosion Limit</b>	NOT AVAILABLE
<b>Melting Point</b>	NOT AVAILABLE	<b>Lower Explosion Limit</b>	NOT AVAILABLE
<b>Evaporation Rate</b>	NOT AVAILABLE	<b>Decomposition Temperature</b>	NOT AVAILABLE
<b>Autoignition Temperature</b>	NOT AVAILABLE	<b>Viscosity</b>	NOT AVAILABLE
<b>Partition Coefficient</b>	NOT AVAILABLE		

**10. STABILITY AND REACTIVITY**

<b>Chemical Stability</b>	Stable under recommended conditions of storage.
<b>Conditions to avoid</b>	Avoid heat, sparks, open flames and other ignition sources.
<b>Material to avoid</b>	Incompatible with oxidising agents (eg hypochlorites), acids (eg. nitric acid), alkalis (eg. hydroxides), heat and ignition sources.
<b>Hazardous Decomposition Products</b>	May evolve toxic gases (carbon/ nitrogen oxides, amines, ammonia, hydrocarbons) when heated to decomposition.
<b>Hazardous Reactions</b>	Hazardous polymerization is not expected to occur.

**11. TOXICOLOGICAL INFORMATION**

<b>Health hazard summary</b>	Corrosive. This product has the potential to cause adverse health effects. Use safe work practices to avoid eye or skin contact and inhalation. Potential sensitising agent. Individuals with pre-existing respiratory impairment (eg asthmatics) or skin sensitivities may be more susceptible to adverse health effects.
<b>Eye</b>	Causes burns. Contact may result in irritation, lacrimation, pain, redness, corneal burns and possible permanent damage.
<b>Inhalation</b>	Corrosive. Over exposure may result in irritation of the nose and throat, coughing, burning sensation, nausea and dizziness. May cause sensitisation by inhalation. High level exposure may result in breathing difficulties, ulceration, pulmonary oedema and unconsciousness.
<b>Skin</b>	Causes burns. Contact may result in irritation, redness, pain, rash, dermatitis and possible burns. May cause sensitisation by skin contact.
<b>Ingestion</b>	Corrosive. Ingestion may result in burns to the mouth and throat, nausea, vomiting, ulceration of the gastrointestinal tract, breathing difficulties, circulatory collapse and coma.
<b>Toxicity Data</b>	ISOPHORONE DIAMINE (2855-13-2) LD50 (Ingestion): 500 - 1080 mg/kg (rat) LD50 (Skin): 730 - 1090 mg/kg (rabbit)

**12. ECOLOGICAL INFORMATION**

**Product Name: EP BINDER PART B**

**Other adverse effects** Limited ecotoxicity data was available for this product at the time this report was prepared. Ensure appropriate measures are taken to prevent this product from entering the environment.

**13. DISPOSAL CONSIDERATIONS**

**Waste disposal** Mix parts A + B together (small amounts), absorb with sand, vermiculite or similar and dispose of to an approved landfill site. Ensure protective equipment is worn when mixing. Do not seal containers/tins until reaction is complete. Contact the manufacturer for additional information. Prevent contamination of drains or waterways as environmental damage may result.

**Legislation** Dispose of in accordance with relevant local legislation.

**14. TRANSPORT INFORMATION**



**CLASSIFIED AS A DANGEROUS GOOD THE CRITERIA OF THE ADG CODE**

<b>Shipping Name</b>	POLYAMINES, LIQUID, CORROSIVE, N.O.S.				
<b>UN No.</b>	2735	<b>DG CLASS</b>	8	<b>Subsidiary Risk(s)</b>	None Allocated
<b>Packing Group</b>	III	<b>Hazchem Code</b>	2X	<b>GTEPG</b>	8A1

**IATA**

<b>Shipping Name</b>	POLYAMINES, LIQUID, CORROSIVE, N.O.S.				
<b>UN No.</b>	2735	<b>DG CLASS</b>	8	<b>Subsidiary Risk(s)</b>	None Allocated
<b>Packing Group</b>	III				

**IMDG**

<b>Shipping Name</b>	POLYAMINES, LIQUID, CORROSIVE, N.O.S.				
<b>UN No.</b>	2735	<b>DG CLASS</b>	8	<b>Subsidiary Risk(s)</b>	None Allocated
<b>Packing Group</b>	III				

**15. REGULATORY INFORMATION**

**Poison Schedule** Classified as a Schedule 5 (S5) Poison using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

**AICS** All chemicals listed on the Australian Inventory of Chemical Substances (AICS).

**16. OTHER INFORMATION**

**Additional information** This product is used in conjunction with EP BINDER PART A

WELDING - SANDING - CUTTING DRIED OR CURED PRODUCT: If sanding, cutting or welding dried or cured product, adverse health effects may be avoided by the use of appropriate

**Product Name:**

## **EP BINDER PART B**

engineering controls and/or personal protective equipment. If welding, wear a Class P2 (Metal fume) respirator and depending on the nature of the surface being welded, additional protection (eg. for organic vapours/acid gas) may also be required. A Class P1 (Particulate) respirator is recommended if dust is generated.

**RESPIRATORS:** In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

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TWA - Time Weighted Average.