



EpiMax SAFETY DATA SHEET

Product Name **EpiMax 575 COMPOUND**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier Name	EPIMAX TECHNOLOGIES PTY LTD
Address	4/3 Moorebank Avenue, Moorebank, NSW, AUSTRALIA, 2170
Telephone	1300 721 522
Fax	(02) 9904 3207
Emergency	1300 721 522
Synonym(s)	575 COMPOUND • 4057520 – PRODUCT CODE • EPOXIDE RESIN
Use(s)	Two component epoxy system. Compound for epoxy resin system.
SDS Date	27/1/17

2. HAZARDS IDENTIFICATION

GHS Classification

Skin Corrosion / Irritation Category: 2
Eye Irritation Category: 2A
Skin Sensitization Category: 1
Acute Aquatic Hazard Category: 2
Chronic Aquatic Hazard Category: 2



Signal Word WARNING

HAZARD STATEMENTS

H315	Causes skin irritation
H319	Causes serious eye irritation
H317	May cause an allergic skin reaction
H411	Toxic to Aquatic life with long lasting effects

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PREVENTION STATEMENTS

P280 Wear protective gloves/ protective clothing / eye protection / face protection
P261 Avoid breathing mist / vapours / spray
P273 Avoid release to the environment
P272 Contaminated work clothing should not be allowed out of the workplace

RESPONSE STATEMENTS

P362 Take off contaminated clothing and wash before reuse
P302+352 IF ON SKIN: wash with plenty of soap and water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses
P333+P313 If skin irritation or rash occurs: Get medical advice / attention

DISPOSAL STATEMENTS

P501 Dispose of contents / container in accordance with local regulations

UN No.	3082	DG CLASS	9	Subsidiary Risk(s)	NONE ALLOCATED
Packing Group	III	Hazchem Code	NONE ALLOCATED		

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Formula	CAS NO.	Content
EPOXY RESIN	NOT AVAILABLE	25068-38-6	50%-70%
SILICA (QUARTZ)	NOT AVAILABLE	14808-60-7	25%-35%
SILICON DIOXIDE	SiO ₂	112945-52-5	5%
OTHER NON SCHEDULED TO			100%

4. FIRST AID MEASURES

Eye

If this product comes in contact with the eyes:

- Wash out immediately with fresh running water
- Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids
- Seek medical attention without delay; if pain persists or recurs seek medical attention
- Removal of contact lenses after and eye injury should only be undertaken by skilled personal

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

If skin contact occurs:

- Immediately remove all contaminated clothing, including footwear.
- Flush skin and hair with running water (and soap if available).
- Seek medical attention in event of irritation.
- If fumes or combustion products are inhaled remove from contaminated area.
- Lay patient down. Keep warm and rested.
- Prosthesis such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures.
- Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary.
- Transport to hospital, or doctor.

Ingestion

If swallowed do NOT induce vomiting.

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- If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.
- Observe the patient carefully.
- Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious.
- Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink.
- Seek medical advice..

Special Treatment Treat symptomatically.

5. FIRE FIGHTING MEASURES

Special Hazards May evolve toxic gases (carbon oxides, phenols, hydrocarbons) when heated to decomposition. Eliminate all ignition sources including cigarettes, open flames, spark producing switches/tools, heaters, naked lights, pilot lights, mobile phones etc. when handling. Earth containers when dispensing fluids.

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 cool intact containers and nearby storage areas.

Extinguishing Media Dry agent, carbon dioxide or water fog. Prevent contamination of drains or waterways

Hazchem Code Not allocated

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 tightly sealed in a cool, dry, well ventilated area, removed from oxidising agents, acids, alkalis, heat or ignition sources and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills. Large storage areas should be bunded and have appropriate fire protection and ventilation systems.

Precautions for safe handling DO NOT ALLOW CLOTHING WET WITH MATERIAL TO STAY IN CONTACT WITH SKIN. 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

Ingredient	Reference	TWA		STEL	
BISPHENOL A	SWA (AUS)	--	0.02 mg/m ³	--	0.07mg/m ³

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Biological Limits No biological limit allocated.

Engineering Controls Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical explosion proof extraction ventilation is recommended. Flammable/explosive vapours may accumulate in poorly ventilated areas. Vapours are heavier than air and may travel some distance to an ignition source and flash back. Maintain vapour levels below the recommended exposure standard.

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

Appearance	WHITE HOMOGENOUS PASTE	Solubility (water)	INSOLUBLE
Odour	MILD ODOUR	Specific Gravity	1.2 - 1.4
pH	NOT AVAILABLE	% Volatiles	<2%
Vapour Pressure	NOT AVAILABLE	Flammability	NOT FLAMMABLE
Vapour Density	NOT AVAILABLE	Flash Point	154°C
Boiling Point	NOT DETERMINED	Upper Explosion Limit	NOT AVAILABLE
Melting Point	NOT DETERMINED	Lower Explosion Limit	NOT AVAILABLE
Evaporation Rate	NOT AVAILABLE	Decomposition Temperature	NOT AVAILABLE
Autoignition Rate	NOT AVAILABLE	Viscosity	NOT AVAILABLE
Partition Coefficient	NOT AVAILABLE		

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

Health hazard summary	Irritant - low to moderate toxicity. This product has the potential to cause adverse health effects with over exposure. Use safe work practices to avoid eye or skin contact and inhalation. May cause sensitisation by skin contact. The cured product is considered non toxic.
Eye	Corrosive. Irritant. Contact may result in irritation, lacrimation, pain, redness and conjunctivitis. May result in burns with prolonged contact.
Inhalation	Irritant. Over exposure may result in irritation of the nose and throat, with coughing. High level exposure may result in dizziness, drowsiness, breathing difficulties, pulmonary oedema and unconsciousness. May cause sensitisation by inhalation.

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Skin Skin contact with the material may damage the health of the individual; systemic effects may result following absorption. This material can cause inflammation of the skin on contact in some persons. Epoxy materials may cause allergic and/or contact dermatitis responses, which may occur on exposure or may become apparent only after repeated exposures. Sensitisation is possible. Photoallergic dermatitis may result from contact with the material. This type of response can be elicited only in individuals who have been previously allergically sensitised to the chemical agent and appropriate radiation. The material may accentuate any pre-existing dermatitis condition.

Ingestion Moderate toxicity. Ingestion may result in nausea, vomiting, abdominal pain, diarrhoea, fatigue, dizziness and unconsciousness.

Toxicity Data There is no toxicological information available for this product.

12. ECOLOGICAL INFORMATION

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.



Australian Dangerous Goods Code –ROAD AND RAIL

Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID N.O.S				
UN No.	3082	DG CLASS	9	Subsidiary Risk(s)	None Allocated
Packing Group	III				

IATA Dangerous Goods Regulation - AIR

Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID N.O.S				
UN No.	3082	DG CLASS	9	Subsidiary Risk(s)	None Allocated
Packing Group	III				

International Maritime Dangerous Goods Code- SEA

Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID N.O.S				
UN No.	3082	DG CLASS	9	Subsidiary Risk(s)	None Allocated

Product Name: **EpiMax 575 COMPOUND**

Packing Group	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 EpiMax 575 Hardener.

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 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.

EPOXY - PHENOXY RESINS AND POLYURETHANES: Where spray painting with two or more component epoxy resins or polyurethane paints is undertaken, an employee shall wear a air-line respirator, full length chemically resistant coveralls and gloves. Further, if an individual is to enter an enclosed booth where a vapour or gas curing process is occurring, an air-line respirator is required. Once cured, these resins are considered non toxic.

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/m³ - 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 MATERIAL SAFETY DATA SHEET

Product Name **EPIMAX 575 HARDENER**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier Name EPIMAX TECHNOLOGIES PTY LTD
Address 4/3 Moorebank Avenue, Moorebank, NSW, AUSTRALIA, 2170
Telephone 1300 721 522
Fax (02) 9904 3207
Emergency 1300 721 522
Synonym(s) 575 HARDENER • 5057520 – PRODUCT CODE •
Use(s) TWO PART EPOXY RESIN COMPOSITION. HARDENER FOR EPOXY RESIN SYSTEM.
SDS Date 27/1/17

2. HAZARDS IDENTIFICATION

GHS Classification

Skin Corrosions / Irritation Category: 2
Serious Eye Damage Category: 1
Skin Sensitizer Category: 1

Signal Word **WARNING**



HAZARD PHRASES

H312 Harmful in contact with skin
H315 Causes skin irritation
H318 Causes serious eye damage
H317 May cause an allergic skin reaction

PREVENTION AND RESPONSE STATEMENTS

P262 Do not get in eyes, on skin or on clothing
P264 Wash hands thoroughly after handling
P273 Avoid release to the environment
P280 Wear protective gloves and eye protection
P302+352 IF ON SKIN: was with plenty of soap nad water
P362 Take off contaminated clothing and wash before use
P333+313 If skin irritation or rash occurs, get medical advice / attention

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P305+351 IF IN EYES: Rinse cautiously with water for several minutes
P337+313 If eye irritation persists, get medical advice / attention
P501 Dispose of contents / containers in accordance with local regulation

UN No.	NONE ALLOCATED	DG CLASS	NONE ALLOCATED	Subsidiary Risk(s)	NONE ALLOCATED
Packing Group	NONE ALLOCATED	Hazchem Code	NONE ALLOCATED		

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Formula	CAS NO.	Content
POLUAMIDE RESIN	NOT AVAILABLE	68082-29-1	35%-50%
OTHER NON HAZARDOUS 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 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.

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 cool intact containers and nearby storage areas.

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

Hazchem Code Not allocated

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.

Product Name: **EPIMAX 575 HARDENER**

7. STORAGE AND HANDLING

Storage Store tightly sealed in a cool, dry, well ventilated area, removed from oxidising agents, acids, alkalis, heat or ignition sources and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills. Large storage areas should be bunded and have appropriate fire protection and ventilation systems.

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

Appearance	THIXOTROPIC PASTE	Solubility (water)	INSOLUBLE
Odour	AMMONIA	Specific Gravity	1.2 - 1.4
pH	NOT AVAILABLE	% Volatiles	<2%
Vapour Pressure	NOT AVAILABLE	Flammability	NOT FLAMMABLE
Vapour Density	NOT AVAILABLE	Flash Point	154°C
Boiling Point	NOT DETERMINED	Upper Explosion Limit	NOT AVAILABLE
Melting Point	NOT AVAILABLE	Lower Explosion Limit	NOT AVAILABLE
Evaporation Rate	NOT AVAILABLE		
Autoignition Rate	NOT AVAILABLE	Decomposition Temperature	NOT AVAILABLE
Partition Coefficient	NOT AVAILABLE	Viscosity	NOT AVAILABLE

10. STABILITY AND REACTIVITY

Chemical Stability Stable under recommended conditions of storage.

Conditions to avoid Avoid heat, sparks, open flames and other ignition sources.

Material to avoid Incompatible with oxidising agents (eg. hypochlorites), acids (eg. nitric acid), alkalis (eg. hydroxides), heat and ignition sources.

Product Name: EPIMAX 575 HARDENER

Hazardous Decomposition Products May evolve toxic gases (carbon/ nitrogen oxides, amines, ammonia, hydrocarbons) when heated to decomposition.

Hazardous Reactions Hazardous polymerization is not expected to occur.

11. TOXICOLOGICAL INFORMATION

Health hazard summary Irritant - low to moderate toxicity. This product has the potential to cause adverse health effects with over exposure. Use safe work practices to avoid eye or skin contact and inhalation. May cause sensitisation by skin contact. The cured product is considered non toxic.

Eye Irritant. Contact may result in irritation, lacrimation, pain, redness and conjunctivitis. May result in burns with prolonged contact.

Inhalation Irritant. Over exposure may result in irritation of the nose and throat, with coughing. High level exposure may result in dizziness, drowsiness, breathing difficulties, pulmonary oedema and unconsciousness. May cause sensitisation by inhalation.

Skin Irritant. Contact may result in irritation, redness, rash and dermatitis. May cause sensitisation by skin contact.

Ingestion Moderate toxicity. Ingestion may result in nausea, vomiting, abdominal pain, diarrhoea, fatigue, dizziness and unconsciousness.

Toxicity Data There is no toxicological information available for this product.

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13. DISPOSAL CONSIDERATIONS

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Legislation Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD

THE AUSTRALIAN DANGEROUS GOODS CODE

Shipping Name	None Allocated				
UN No.	None Allocated	DG CLASS	None Allocated	Subsidiary Risk(s)	None Allocated
Packing Group	None Allocated	Hazchem Code	None Allocated		

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