

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
 1300 721 522

Synonym(s) 333 PART A / COMPOUND • 4033320 - PRODUCT CODE

Use(s) Two component epoxy system. Use with EPIMAX 333 HARDENER

SDS Date 14/12/24

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS Flammable liquid: Category 3

Skin Corrosion/ Irritation: Category 2 Eye Damage/ Irritation: Category 2A Sensitization – SKIN: Category 1 Long Term Aquatic Hazard: Category 2

SIGNAL WORD DANGER







HAZARD STATEMENTS

H226 Flammable liquid and vapour H317 May cause an allergic skin reaction

H315 Causes skin irritation
H319 Causes serious eye irritation

H411 Toxic to aquatic life with long lasting effects

PREVENTION STATEMENTS

P103 Read label before use

P210 Keep away from heat/sparks/open flames/hot surfaces – NO SMOKING

P233 Keep container tightly closed

P240 Ground/bond container and receiving equipment

P241 Use explosion-proof electrical/ventilating/lighting equipment

P242 Use only non-sparking tools

P243 Take precautionary measure against static discharge P261 Avoid breathing dust/fume/gas/mist/vapours/spray

P264 Wash skin thoroughly after handling

P272 Contaminated work clothing should not be allowed out of the workplace

P273 Avoid release to the environment

P280 Wear protective gloves/eye protection /face protection

RESPONSE STATEMENTS

P370+P378 In case of FIRE: use foam, carbon dioxide or dry chemical powder to extinguish

P391 Collect spillage

P302+P352 IF ON SKIN: Wash with plenty of water

P303+P361+P353 IF ON SKIN: Immeadiately take off all contaminated clothing. Rinse skin with water/shower

P362+P364 Take off contaminated and wash it before reuse

P333+P313 If skin irritation or rash occurs; Get medical advice/ attention

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove Contact lenses

P337+P313 If eye irritation persist: Get medical advice/ attention

P403+P235 Store in a well-ventilated place. Keep cool

UN No.	1993	DG CLASS	3	Subsidiary Risk(s)	None Allocated
Packing Group	III	Hazchem Code	•3Y		

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Formula	CAS NO.	Content
QUARTZ (SILICA CRYSTALLINE)	Si-O2	14808-60-7	30 -60%
XYLENE	C6H4C2H6	001330-20-7	0-10%
EPOXY RESIN	Not Available	25068-38-6	10%-30%

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 Flammable. 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. DO NOT USE WATER JETS Prevent contamination of

drains or waterways

Hazchem Code •3Y

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

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	
Xylene	SWA (AUS)	80ppm	350 mg/m ³	150pm	655 mg/m ³
Silica	SWA (AUS)		0.1 mg/m ³		

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

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.









EpiMax 333 PART A / COMPOUND **Product Name:**

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance PASTE Solubility (water) **INSOLUBLE** Odour AROMATIC ODOUR **Specific Gravity** 1.80 pН **NOT AVAILABLE** % Volatiles 10 % **NOT AVAILABLE Flammability FLAMMABLE Vapour Pressure**

Flash Point 43°C Vapour Density NOT AVAILABLE

200°C **Upper Explosion Limit Boiling Point**

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 NOT AVAILABLE Viscosity

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 May evolve toxic gases (carbon oxides, phenols, hydrocarbons) when heated to

Decomposition

Products

Hazardous Reactions Hazardous polymerization is not expected to occur.

decomposition.

11. TOXICOLOGICAL INFORMATION

Health hazard summary FLAMMABLE. 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.

Irritant. Contact may result in irritation, lacrimation, pain, redness and conjunctivitis. May Eye

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 QUARTZ (SILICA CRYSTALLINE) (14808-60-7)

LCLo (Inhalation): 300 ug/m³/10 years (human)

LDLo (Intratracheal): 200 mg/kg (rat)

LDLo (Intravenous): 20 mg/kg (dog)

TCLo (Inhalation): 16 000 000 particles/ft3/8 hours/17.9 years (human-fibrosis)

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. Larger quantities may be incinerated at approved facility. Prevent contamination of drains or waterways as environmental damage may result.

Contact the manufacturer for additional information.

Legislation Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION



CLASSIFIED AS A DANGEROUS GOOD THE CRITERIA OF THE ADG CODE

Shipping Name	FLAMMABLE LIQUID, N.O.S.				
UN No.	1993	DG CLASS	3	Subsidiary Risk(s)	None Allocated
Packing Group	III	Hazchem Code	•3Y	GTEPG	3A1

IATA

Shipping Name	FLAMMABLE LIQUID, N.O.S.				
UN No.	1993	DG CLASS	3	Subsidiary Risk(s)	None Allocated
Packing Group	III	Hazchem Code	•3Y		

IMDG

Shipping Name	FLAMMABLE LIQUID, N.O.S.				
UN No.	1993	DG CLASS	3	Subsidiary Risk(s)	None Allocated
Packing Group	III	Hazchem Code	•3Y		

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 333 PART B / Hardener.

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.

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.

SYNERGISM - ANTAGONISM:

Ingredients in this product may act together to aggravate or reduce adverse effects. Accordingly the time weighted average concentration (TWA) provided for single ingredients should be considered as a guide only and all due care exercised when handling.

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.



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 13 11 26

Synonym(s) 333 PART B / HARDENER • 50330420 – PRODUCT CODE

Use(s) Two component epoxy system. Hardener for epoxy resin system.

SDS Date 14/12/24

2. HAZARDS IDENTIFICATION

GHS Classifications Acute Toxicity: Oral: Category 4

Acute Toxicity: Skin: Category 4
Skin corrosion/ irritation: Category 1B
Skin sensitisation: Category 1
Aquatic Chronic: Category 3

Signal Word DANGER





Hazard Statements

H302 Harmful if swallowed
H312 Harmful in contact with skin

H314 Causes severe skin burns and eye damage
H317 May cause an allergic skin reaction

H412 Harmful to aquatic life with long lasting effects

Prevention Statements

P260 Do not breathe dust/fume gas/mist/vapours/spray

P264 Wash thoroughly after handling

P270 Do not eat, drink or smoke when using this product

P272 Contaminated work clothing should not be allowed out of the workplace

P273 Avoid release to the environment

P280 Wear protective gloves/protective clothing/eye protection/face protection

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 center or doctor / physician.
P321 Specific treatment is advised – see first aid instructions
P333+313 If skin irritation or rash occurs: Get medical advice/ attention

P363 Wash contained clothing before resue

Storage Statements

P405 Store locked up

Disposal Statements

P501 Dispose of contents/ container in accordance with relevant regulations

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

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Formula	CAS NO.	Content
ISOPHORONE DIAMINE	C10-H22-N2	2855-13-2	>50%
BENZYL ALCOHOL	C7-H8-0	100-51-6	30-50%
M-PHENYLENEBIS (METHLAMINE)	C8-H12-N2	1477-55-0	5-15%

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

cool intact containers and nearby storage areas.

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

Hazchem Code 2X

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

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.









EpiMax 333 PART B / HARDENER **Product Name:**

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance CLEAR LIQUID Solubility (water) **NOT AVAILABLE** Odour SLIGHTLY AMMONIACAL Specific Gravity 1.00 TO 1.03

% Volatiles pН **NOT AVAILABLE** < 1 %

Vapour Pressure NOT AVAILABLE Flammability CLASS C1 COMBUSTIBLE

Vapour Density **NOT AVAILABLE Flash Point** 112 °C

Boiling Point NOT AVAILABLE Upper Explosion Limit NOT AVAILABLE Melting Point NOT AVAILABLE Lower Explosion Limit NOT AVAILABLE

Evaporation Rate NOT AVAILABLE

Autoignition Temperature 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.

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

Material to avoid Incompatible with oxidising agents (eg hypochlorites), acids (eg. nitric acid), alkalis (eg.

hydroxides), heat and ignition sources.

Hazardous May evolve toxic gases (carbon/ nitrogen oxides, amines, ammonia, hydrocarbons) when

Decomposition heated to decomposition.

Products

Hazardous Reactions Hazardous polymerization is not expected to occur.

11. TOXICOLOGICAL INFORMATION

Health hazard summary 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.

Causes burns. Contact may result in irritation, lacrimation, pain, redness, corneal burns and Eye

possible permanent damage.

Inhalation 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.

Skin Causes burns. Contact may result in irritation, redness, pain, rash, dermatitis and possible burns.

May cause sensitisation by skin contact.

Corrosive. Ingestion may result in burns to the mouth and throat, nausea, vomiting, ulceration Ingestion

of the gastrointestinal tract, breathing difficulties, circulatory collapse and coma.

Toxicity Data ISOPHORONE DIAMINE (2855-13-2)

> LD50 (Ingestion): 500 - 1080 mg/kg (rat) LD50 (Skin): 730 - 1090 mg/kg (rabbit)

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 THE CRITERIA OF THE ADG CODE

Shipping Name	CORROSIVE LIQUID, N.O.S					
UN No.	1760	1760 DG CLASS 8 Subsidiary Risk(s) None Allocated				
Packing Group	III	Hazchem Code	2X	GTEPG	8A1	

IATA

Shipping Name	CORROSIVE LIQUID, N.O.S				
UN No.	1760	DG CLASS	8	Subsidiary Risk(s)	None Allocated
Packing Group	III				

IMDG

Shipping Name	CORROSIVE LIQUID, N.O.S				
UN No.	1760	DG CLASS	8	Subsidiary Risk(s)	None Allocated
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).

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

16. OTHER INFORMATION

Additional information This product is used in conjunction with EpiMax 333 PART B / Compound.

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.

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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