

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier Name EPIMAX TECHNOLOGIES PTY LTD

Address 23 Hargraves Place, Wetherill Park NSW, AUSTRALIA, 2164

 Telephone
 1300 721 522

 Fax
 (02) 9904 3207

 Emergency
 1300 721 522

Synonym(s) 655AR Part A • 9066533 – PRODUCT CODE •

**SDS Date** 07/09/20

#### 2. HAZARDS IDENTIFICATION

**GHS Classifications** Skin corrosion / irritation: Category 2

Skin sensitization: Category 1

Hazardous to the aquatic environment – Chronic Hazard: Category 2

SIGNAL WORD WARNING





#### **HAZARD STATEMENTS**

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H411 Toxic to aquatic life with long lasting effects

PREVENTION STATEMENTS

P261 Avoid breathing dust, mist, spray

P264 Wash hands, forearms, and face thoroughly after handling

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

P273 Avoid release to the environment

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

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

P321 Specific treatment

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

P363 Wash contaminated clothing before reuse

P501 Dispose of contents / container to a hazardous or special waste collection point

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	CAS NO.	Content
FORMALEHYDE, OLIGOMERIC REACTION PRODUCTS WITH 1CHLORO-2,3-EPOXYPROPANE	9003-36-5	> 60%
AND PHENOL		
1,6 HEXANEDIOL DIGLYCIDYLETHER	933999-84-9	>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** 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

#### **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. Vapours are highly flammable.

**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.









# 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	COLOURLESS LIQUID	Solubility (water)	NOT AVAILABLE
Odour	NOT AVAILABLE	Specific Gravity	0.95
рН	NOT AVAILABLE	% Volatiles	55%
Vapour Pressure	NOT AVAILABLE	Flammability	NOT FLAMMABLE
Vapour Density	NOT AVAILABLE	Flash Point	93°C
<b>Boiling Point</b>	NOT DETERMINED	<b>Upper Explosion Limit</b>	NOT AVAILABLE
Melting Point	NOT AVAILABLE	Lower Explosion Limit	NOT AVAILABLE
<b>Evaporation Rate</b>	NOT AVAILABLE		
<b>Autoignition Rate</b>	NOT DETERMINED	<b>Decomposition Temperature</b>	NOT AVAILABLE
<b>Partition Coefficient</b>	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.

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** 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** Over exposure may result in irritation of the nose and throat, with coughing. Due to low

vapour pressures, it is not thought to be an inhalation hazard.

**Skin** Irritant . Contact may result in irritation, redness, rash and dermatitis. Can cause burns. May

cause sensitisation by skin contact.

Ingestion Irritant. Moderate toxicity. Ingestion may result in nausea, vomiting, abdominal pain, diarrhoea,

fatigue, dizziness and unconsciousness.

**Toxicity Data** 

Formalehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol (9003-36-5)					
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline				
	401 (Acute Oral Toxicity				
LD50 dermal rat	2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402				
	(Acute Dermal Toxicity)				

#### 12. ECOLOGICAL INFORMATION

Other adverse effects Toxic to aquatic life with long lasting effects

# 13. DISPOSAL CONSIDERATIONS

Waste disposal 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	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Resin				
UN No.	NONE ALLOCATED DG CLASS NONE ALLOCATED				
Packing Group	NONE ALLOCATED	Hazchem Code	NONE ALLOCATED		

#### **IMDG**

Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Resin						
UN No.	3082	3082 <b>DG CLASS</b> 9					
Packing Group	III	III Hazchem Code NONE ALLOCATED					

#### IATA

Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Resin				
UN No.	3082 <b>DG CLASS</b> 9				
Packing Group	III	Hazchem Code NONE ALLOCATED			

## 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**

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.

#### 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.



## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

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**Address** 23 Hargraves Place, Wetherill Park NSW, AUSTRALIA, 2164

Telephone 1300 721 522 Fax (02) 9904 3207 1300 721 522

**Emergency** 

Synonym(s) 655AR Part B • 9065522 - PRODUCT CODE •

**SDS Date** 22/05/20

# 2. HAZARDS IDENTIFICATION

**GHS Classifications** Acute Toxicity- Oral: Category 4

Skin corrosion / irritation: Category 1B

Serious eye damage / eye irritation: Category 1

Skin sensitization: Category 1

SIGNAL WORD **DANGER** 





# **HAZARD STATEMENTS**

H302 Harmful if swallowed

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

# **PREVENTION STATEMENTS**

P260 Do not breathe vapours

P264 Wash hands, forearms and face 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

P280 Wear eye protection, protective clothing, protective gloves P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting

P304+P340 IF INHALED: Remove person to fresh air and keep 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.

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

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

#### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS NO.	Content
CYCLOHEXANEMETHANAMINE, 5-AMINO-1,3,3-TRIMETHYL-, REACTION PRODUCTS WITH	68609-08-5	30% - 60%
2,2'[(1-METHYLETHYLIDENE)BIS(4,1PHENYLENEOXYMETHYLENE)]BIS[OXIRANE]		
HOMOPOLYMER		
REACTION PRODUCTS OF DI-,TRI- AND TETRA-PROPOXYLATED PROPANE-1,2-DIOL WITH	9046-10-0	10% - 29%
AMMONIA		
4,4'-ISOPROPYLIDENEDIPHENOL, OLIGOMERIC REATION PRODUCTS WITH 1-CHLORO-2,3-	113930-69-1	10% - 29%
EPOXYPROPANE, REACTION PRODUCTS WITH M-PHENYLENEBIS(METHYLAMINE)		
PHENOL, 4,4'-(1-METHYLETHYLLIDENE)BIS-,POLYMER WITH N,N'-BIS(2-AMINOETHYL-1,2-	38294-69-8	10% - 29%
ETHANEDIAMINE AND (CHLOROMETHYL)OXIRANE		

## 4. FIRST AID MEASURES

Eye Causes serious eye damage. 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 May cause severe burns. Harmful in contact with skin. Highly corrosive to skin. May cause an

allergic skin reaction. 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. Prevent contamination of drains or waterways

Hazchem Code 3[Y]

# **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. Vapours are highly flammable.

**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.









## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	CLEAR LIQUID	Solubility (water)	NOT AVAILABLE
Odour	AMINE	Specific Gravity	NOT AVAILABLE
рН	NOT AVAILABLE	% Volatiles	NOT AVAILABLE
Vapour Pressure	NOT AVAILABLE	Flammability	NOT AVAILABLE
Vapour Density	NOT AVAILABLE	Flash Point	NOT AVAILABLE
<b>Boiling Point</b>	NOT DETERMINED	Upper Explosion Limit	NOT AVAILABLE
Melting Point	NOT AVAILABLE	Lower Explosion Limit	NOT AVAILABLE
<b>Evaporation Rate</b>	NOT AVAILABLE		
<b>Autoignition Rate</b>	NOT DETERMINED	<b>Decomposition Temperature</b>	NOT AVAILABLE
<b>Partition Coefficient</b>	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.

**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** 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** Over exposure may result in irritation of the nose and throat, with coughing. Due to low

vapour pressures, it is not thought to be an inhalation hazard.

Skin Irritant . Contact may result in irritation, redness, rash and dermatitis. Can cause burns. May

cause sensitisation by skin contact.

Ingestion Irritant. 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 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	POLYAMINES, LIQUID, CORROSIVE, N.O.S					
UN No.	2735	2735 DG CLASS 8 Subsidiary Risk(s) NONE ALLOCATED				
Packing Group	III	Hazchem Code	2X			

#### **IATA**

Shipping Name	AMINES, LIQUID, CORROSIVE, N.O.S.				
UN No.	2735	DG CLASS	8	Subsidiary Risk(s)	NONE ALLOCATED
Packing Group	III	Hazchem Code	2X		

#### **IMDG**

Shipping Name	AMINES, LIQUID, CORROSIVE, N.O.S.				
UN No.	2735	DG CLASS	8	Subsidiary Risk(s)	NONE ALLOCATED
Packing Group	III	Hazchem Code	2X		
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 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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pH - relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).

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