



EpiMax SAFETY DATA SHEET

Product Name **EpiMax 237 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) | 237 COMPOUND • 40237400 – PRODUCT CODE • EPOXIDE RESIN |
| Use(s) | TWO PART EPOXY RESIN COMPOSITION. USE WITH EPIMAX 237 HARDENER |
| SDS Date | 27/01/17 |

2. HAZARDS IDENTIFICATION

| | |
|--------------------|---|
| GHS Classification | Flammable Liquids Category : 3 Skin Corrosion / Irritation – Category 2 Serious Eye Damage / Eye Irritation Category: 1 Skin Sensitization Category :1 Specific Target Organ Toxicity (Repeated Exposure) Category: 2 |
|--------------------|---|

| | |
|-------------|--------|
| Signal Word | DANGER |
|-------------|--------|



| | |
|-------------------|-------------------------------------|
| HAZARD STATEMENTS | Flammable liquid and vapour |
| H226 | Causes skin irritation |
| H315 | May cause an allergic skin reaction |
| H317 | Causes serious eye irritation |
| H319 | |

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|-----------------------|--|
| PREVENTION STATEMENTS | Keep out of reach of children |
| P102 | Read label before use |
| P103 | Keep away from all sources of ignition – no smoking |
| P210 | Keep in container tightly closed |
| P233 | Ground/ Bond container and receiving equipment |
| P240 | Use explosion- proof electrical, ventilating, lighting and all other equipment |

Product Name:**EpiMax 237 COMPOUND**

| | |
|------|---|
| P241 | Use only non-sparking tools |
| P242 | Avoid breathing mist, vapours or spray |
| P261 | Wash hands, face and all exposed skin thoroughly after handling |
| P264 | Contaminated work clothing should not be allowed out of the work place |
| P272 | Avoid release to the environment |
| P273 | Wear protective clothing, gloves, eye face / protection and suitable respirator |
| P280 | |

| | |
|----------------------------|--|
| RESPONSE STATEMENTS | If medical advice is needed, have product container or label at hand |
| P101 | IF ON SKIN: Wash with soap and water |
| P302+352 | IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing |
| P303+361+353 | Wash contaminated clothing before reuse |
| P363 | If skin irritation or a rash occurs: Get medical advice / attention |
| P333+313 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses |
| P305+351+338 | If eye irritation persists get medical advice / attention |
| P337+313 | In case of fire: Use alcohol resistant foam for extinction |
| P370+378 | Collect spillage |
| P391 | |

| | |
|---------------------------|--|
| STORAGE STATEMENTS | Store in a well ventilated place. Keep cool. |
| P404+235 | |

| | |
|----------------------------|--|
| DISPOSAL STATEMENTS | Dispose of contents/container in accordance with local, regional, national and international regulations |
| P501 | |

| | | | | | |
|----------------------|----------------|---------------------|------|---------------------------|----------------|
| UN No. | 1866 | DG CLASS | 3 | Subsidiary Risk(s) | None Allocated |
| Packing Group | NONE ALLOCATED | Hazchem Code | 3[Y] | | |

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Ingredient | Formula | CAS NO. | Content |
|---|----------------|----------------|----------------|
| XYLENE | NOT AVAILABLE | 001330-20-7 | 30% - <60% |
| BISPHENOL A EPOXY RESIN | NOT AVAILABLE | 025068-38-6 | 30% - <60% |
| M.I.B KETONE | NOT AVAILABLE | 000108-10-1 | 10% - <30% |
| PARMETOL DF 18 | NOT AVAILABLE | 098726-06-8 | <10% |
| NON-HAZARDOUS INGREDIENTS OR THOSE BELOW CUT OFF LIMITS | | | |

4. FIRST AID MEASURES

| | |
|------------|--|
| Eye | Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. |
|------------|--|

| | |
|-------------------|---|
| Inhalation | Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |
|-------------------|---|

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Skin

Get medical attention immediately. Call a poison center or physician. Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion

Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

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. DO NOT USE WATER JET

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

Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas

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and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

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 | 350mg/m ³ | 150ppm | 655mg/ m ³ |
| Butan-1-ol | SWA (AUS) | 50ppm | 152mg/ m ³ | | |
| Ethylbenzene | SWA (AUS) | 100ppm | 434mg m ³ | 125ppm | 543mg/ 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 prolonged use, or if in confined areas, wear: impervious coveralls and an Air-line respirator.



9. PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|-----------------------|----------------|---------------------------|-------------------|
| Appearance | AMBER LIQUID | Solubility (water) | Insouble |
| Odour | NOT AVAILABLE | Specific Gravity | 0.97 |
| pH | NOT AVAILABLE | % Volatiles | 50% |
| Vapour Pressure | NOT AVAILABLE | Flammability | FLAMMABLE |
| Vapour Density | NOT AVAILABLE | Flash Point | 24°C (Closed Cup) |
| Boiling Point | NOT DETERMINED | Upper Explosion Limit | 11.3% |
| Melting Point | NOT AVAILABLE | Lower Explosion Limit | 0.8% |
| Evaporation Rate | NOT AVAILABLE | Decomposition Temperature | NOT AVAILABLE |
| Autoignition Rate | NOT DETERMINED | Viscosity | NOT AVAILABLE |
| Partition Coefficient | NOT AVAILABLE | | |

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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 | 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 | 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. High level exposure may result in dizziness, drowsiness, breathing difficulties, pulmonary oedema and unconsciousness. May cause sensitisation by inhalation. |
| Skin | 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. |

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. |

Product Name:

EpiMax 237 COMPOUND**14. TRANSPORT INFORMATION****CLASSIFIED AS A DANGEROUS GOOD THE CRITERIA OF THE ADG CODE**

| | | | | | |
|----------------------|------------------------|---------------------|------|---------------------------|----------------|
| Shipping Name | FLAMMABLE LIQUID N.O.S | | | | |
| UN No. | 1866 | DG CLASS | 3 | Subsidiary Risk(s) | NONE ALLOCATED |
| Packing Group | NONE ALLOCATED | Hazchem Code | 3[Y] | | |

IATA

| | | | | | |
|----------------------|------------------------|---------------------|------|---------------------------|----------------|
| Shipping Name | FLAMMABLE LIQUID N.O.S | | | | |
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IMDG

| | | | | | |
|----------------------|------------------------|---------------------|------|---------------------------|----------------|
| Shipping Name | FLAMMABLE LIQUID N.O.S | | | | |
| UN No. | 1866 | DG CLASS | 3 | Subsidiary Risk(s) | NONE ALLOCATED |
| Packing Group | NONE ALLOCATED | Hazchem Code | 3[Y] | | |

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 237 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.

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.

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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 SAFETY DATA SHEET

Product Name **EpiMax 237 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) | 237 HARDENER • 5023740 – PRODUCT CODE • EPOXIDE RESIN |
| Use(s) | TWO PART EPOXY RESIN COMPOSITION. SUE WITH EPIMAX 237 COMPOUND |
| SDS Date | 30/01/17 |

2. HAZARDS IDENTIFICATION

W2



HAZARD STATEMENTS

| | |
|------|---|
| H226 | Flammable liquid and vapour |
| H302 | Harmful if swallowed |
| H312 | Harmful in contact with skin |
| H314 | Causes severe skin burns and eye damage |
| H317 | May cause an allergic reaction |
| H318 | Causes serious eye damage |
| H332 | Harmful if inhaled |

PREVENTION STATEMENTS

| | |
|------|---|
| P102 | Keep out of reach of children |
| P103 | Read label before use |
| P210 | Keep away from all sources of ignition – no smoking |
| P233 | Keep container tightly closed |
| P240 | Ground / bond container and receiving equipment |

Product Name:**EpiMax 237 HARDENER**

| | |
|------|---|
| P241 | Use explosion-proof electrical, ventilating, lighting and all other equipment |
| P242 | Use only-non-sparking tools |
| P243 | Take precautionary measures against static discharge |
| P260 | Do not breathe mist, vapours or spray |
| P264 | Wash hands, face and all exposed skin thoroughly after handling |
| P270 | Do not eat, drink or smoke when using this product |
| P271 | Use only outdoors or in a well-ventilated area |
| P272 | Contaminated work clothing should not be allowed out of the work place |
| P280 | Wear protective clothing, gloves, eye/face protection and suitable respirator as required |

RESPONSE STATEMENTS

| | |
|--------------|---|
| P101 | If medical advice is needed, have product container or label at hand |
| P301+310 | IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician |
| P301+330+331 | IF SWALLOWED: Rinse mouth. |
| P302+352 | IF ON SKIN: Wash with soap and water |
| P303+361+353 | IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/shower |
| P363 | Wash contaminated clothing before reuse |
| P333+313 | If skin irritation or a rash occurs: Get medical advice/attention |
| P304+340 | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing |
| P310 | Immediately call a POISON CENTRE or doctor/physician |
| P305+351+338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and continue rinsing. |
| P310 | Immediately call a POISON CENTRE or doctor/physician |
| P370+378 | In case of fire, use water fog, foam or dry agents for extinction. |

STORAGE STATEMENTS

| | |
|----------|--|
| P405 | Store locked up |
| P403+235 | Store in a well ventilated place. Keep cool. |

DISPOSAL STATEMENTS

| | |
|------|--|
| P501 | Dispose of contents/container in accordance with local, regional, national and international regulations |
|------|--|

| | | | | | |
|----------------------|------|---------------------|------|---------------------------|----------------|
| UN No. | 1866 | DG CLASS | 3.2 | Subsidiary Risk(s) | None Allocated |
| Packing Group | II | Hazchem Code | 3[Y] | | |

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Ingredient | Formula | CAS NO. | Content |
|---|----------------|----------------|----------------|
| XYLENE | NOT AVAILABLE | 001330-20-7 | 30% - <60% |
| POLYAMIDE RESIN | NOT AVAILABLE | PROPRIETARY | 10% - <30% |
| PM SOLVENT | NOT AVAILABLE | 000107-98-2 | 10% - <30% |
| PARMETOL DF 18 | NOT AVAILABLE | 098726-06-8 | <10% |
| NON-HAZARDOUS INGREDIENTS OF THOSE BELOW CUT OFF LIMITS | | | |

Product Name: **EpiMax 237 HARDENER**

4. FIRST AID MEASURES

| | |
|--------------------------|--|
| Eye | Immediately irrigate with copious quantities of water for 15 minutes. Eyelids to be held open. Remove clothing if contaminated and wash skin. Urgently seek medical assistance. Transport to hospital or medical centre. |
| Inhalation | Remove victim from exposure- avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If breathing laboured and patient cyanotic (blue), ensure airways are clear and have a qualified person give oxygen through a facemask. If breathing has stopped apply artificial respiration at once. In the event of cardiac arrest, apply external cardiac massage. Seek immediate medical advice. |
| Skin | For gross contamination, immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water (and soap if material is insoluble). For skin burns, cover with a clean, dry dressing until medical help is available. If blistering occurs, do NOT break blisters. If swelling, redness, blistering, or irritation occurs seek medical assistance. Components of the material can be absorbed through the skin with resultant toxic effects. |
| Ingestion | Immediately rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Get to a doctor or hospital quickly. |
| 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 | •2W |

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, |
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Product Name:

EpiMax 237 HARDENER

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 Std | 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 | AMBER LIQUID | Solubility (water) | Insoluble |
| Odour | SLIGHTLY AMMONIACAL | Specific Gravity | 0.97 |
| pH | NOT AVAILABLE | % Volatiles | 55% |
| Vapour Pressure | NOT AVAILABLE | Flammability | FLAMMABLE |
| Vapour Density | NOT AVAILABLE | Flash Point | 41°C |
| Boiling Point | NOT DETERMINED | Upper Explosion Limit | NOT AVAILABLE |
| Melting Point | NOT AVAILABLE | Lower Explosion Limit | NOT AVAILABLE |
| Evaporation Rate | NOT AVAILABLE | Decomposition Temperature | NOT AVAILABLE |
| Autoignition Rate | NOT DETERMINED | 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

Product Name: EpiMax 237 HARDENER

| | |
|------------------------------|---|
| 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 | 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 | FLAMMABLE LIQUID, N.O.S | | | |
| UN No. | 1866 | DG CLASS | 3.2 | Subsidiary Risk(s) NONE ALLOCATED |
| Packing Group | NONE ALLOCATED | Hazchem Code | 3[Y] | |

IATA

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|----------------------|-------------------------|---------------------|------|--|
| Shipping Name | FLAMMABLE LIQUID, N.O.S | | | |
| UN No. | 1866 | DG CLASS | 3.2 | Subsidiary Risk(s) NONE ALLOCATED |
| Packing Group | NONE ALLOCATED | Hazchem Code | 3[Y] | |

Product Name:

EpiMax 237 HARDENER

IMDG

| | | | | |
|---------------|-------------------------|--------------|------|-----------------------------------|
| Shipping Name | FLAMMABLE LIQUID, N.O.S | | | |
| UN No. | 1866 | DG CLASS | 3.2 | Subsidiary Risk(s) NONE ALLOCATED |
| Packing Group | NONE ALLOCATED | Hazchem Code | 3[Y] | |

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 237 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.

ABBREVIATIONS:

ACGIH - American Conference of Industrial Hygienists.

ADG - Australian Dangerous Goods.

BEI - Biological Exposure Indices.

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 (highly 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.