HAZARD IDENTIFICATION

The product is classified as Hazardous Substance in accordance with Safe Work Australia – Hazardous Substances Information System {HSIS 2013} AUSTRALIA, Global Harmonised System {GHS} and Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

GHS HAZARDOUS STATEMENTS

- **H 226** Category 2: Highly Flammable Liquid – Flash Point <23º Celsius
  - Boiling Point – ≥ 35 º Celsius
- **H 303** Category 4: Harmful if swallowed
- **H 312** Category 4: Harmful in contact with the skin
- **H 315** Category 4: Causes skin irritation.
- **AUH 066** Repeated exposure may cause skin dryness or cracking
- **H 320** Category 2: Causes eye irritation
- **H 332** Category 4: Harmful if inhaled
- **H 336** Category 3: May cause drowsiness and dizziness.
- **H 373** Category 2: May cause damage to organs.
- **H 413** Category 4: May cause long lasting harmful effects in the aquatic environment

GHS PRECAUTIONARY STATEMENTS

<table>
<thead>
<tr>
<th>Statement Type</th>
<th>Statement ‘P’</th>
<th>Precautionary Statement Text</th>
</tr>
</thead>
<tbody>
<tr>
<td>General</td>
<td>P 101</td>
<td>Seek medical advice if required</td>
</tr>
<tr>
<td>Precautionary</td>
<td>P 102/3</td>
<td>Carefully read and understand this document during handling and application period. Keep out of reach of children. No smoking.</td>
</tr>
<tr>
<td>Prevention</td>
<td>P 233/34/35</td>
<td>Keep in original container and tightly closed in a cool dry place when not in use.</td>
</tr>
<tr>
<td></td>
<td>P 241</td>
<td>Ensure all equipment and lighting is explosion proof during the application period.</td>
</tr>
<tr>
<td></td>
<td>P 261/80</td>
<td>Avoid breathing vapours during application and handling period. Wear the recommended protective equipment at all times,</td>
</tr>
<tr>
<td></td>
<td>P 264</td>
<td>Wash all exposed skin and hair after application and handling period with soap and warm water.</td>
</tr>
<tr>
<td></td>
<td>P 270</td>
<td>Do not smoke, eat or drink during application and handling period.</td>
</tr>
<tr>
<td></td>
<td>P 273</td>
<td>Avoid release to the environment includes drains, sewage and waterways, and atmosphere.</td>
</tr>
<tr>
<td></td>
<td>P 280</td>
<td>The wearing of protective clothes with gloves, organic vapour respirator, face and eye protection during application and handling period.</td>
</tr>
<tr>
<td>Response</td>
<td>P 301/10</td>
<td>If swallowed, rinse the mouth water immediately. Contact the Poisons Information Centre (Telephone 13 11 26) urgently.</td>
</tr>
<tr>
<td></td>
<td>P 303/13/62</td>
<td>If on skin or hair, wash all exposed area with plenty of warm water and soap. Seek medical advice if any irritation occurs. Remove all contaminated clothing immediately.</td>
</tr>
</tbody>
</table>
P 304/13 If inhaled, removed oneself to fresh air from the contaminated area and keep warm in a comfortable position. Seek medical advice if any symptoms immediately

P 305/13 If in eyes, immediately flush with plenty of water. Remove contact lenses if safe to do so if worn. Contact urgent medical advice immediately if any irritation or blurring occurs.

P 306/62/63 If splashed onto clothing, removed all contaminated clothing and wash with plenty of water immediately before reuse

P 370/72/75 If case of fire, use dry sand or earth, or alcohol resistant foam. Containers may explode on heating. If safe to do so, remove all electrical equipment in the direction of fire. Ensure all power supplies are switch off.

P 380/81 Consider evacuating the area if the fire presents a threat. Eliminate all ignition sources if safe to do so.

P 390/91 Collect and absorb all spillages onto dry sand or earth and placed into clean, dry and labelled containers prior to disposal.

Storage P 402/03 Store in a cool, well dry and ventilated place and away from direct sunlight.

Disposal P 501 Dispose carefully unused contents and container(s) to an approved waste disposal site. Further information may be obtained by contacting the Local Statutory Authorities. Ensure all package(s) are labelled as PAINT, U.N 1263, CLASS 3, HAZCHEM 3[Y]E

Product Usage. HICHEM EPOXY PRIMER is the pigmented component of a two pack, high build, anti-corrosive coating, when mixed with its appropriate Polyamine hardener is used as a metal primer. For further information carefully read the current product technical data sheet(s) or contact HICHEM helpdesk.

Telephone 03 9796 3034

IDENTIFICATION of the SUBSTANCE(S) and COMPOSITION

<table>
<thead>
<tr>
<th>Product Name</th>
<th>CAS Number</th>
<th>Composition w/w</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl Ethyl Ketone</td>
<td>78 – 93 – 3</td>
<td>13.0 – 16.0 %</td>
</tr>
<tr>
<td>Encapsulated Coloured Pigments/Extenders</td>
<td>Mixture</td>
<td>50.0 – 55.0 %</td>
</tr>
<tr>
<td>Polymeric Synthetic Resins</td>
<td>Proprietary</td>
<td>13.0 – 16.0 %</td>
</tr>
<tr>
<td>Xylene</td>
<td>1330 – 20 – 7</td>
<td>16.0 – 20.0 %</td>
</tr>
<tr>
<td>Ethyl Benzene</td>
<td>100 – 41 – 4</td>
<td>4.0 – 5.0 %</td>
</tr>
</tbody>
</table>
FIRST AID MEASURES

Inhalation
If the applicator feels drowsy, dizzy, tired or experiencing headaches, remove the victim away from the contaminated area to the fresh air. Keep the victim warm and quiet until all symptoms subside. If the victim is not breathing, apply artificial respiration immediately away from the contaminated area.

Ingestion
If swallowed, and only if the operator is conscious, give water to drink. DO NOT induced vomiting; seek URGENT medical attention if frothing from the mouth occurs.

Eyes
If splashed into eyes, hold eyelids apart, and flush the eyes continuously with running for at least 15 minutes. Continue flushing until advised by a doctor.

Skin and Hair
If skin and hair contact occurs, remove contaminated clothing, and wash thoroughly with soap and plenty of water. Continue flushing until advised by a doctor.

First Aid Facilities
Clean Water Supply, soap or skin cleaner, barrier cream, emergency showers and eye wash stations.

Advice to Doctor
If poisoning occurs, consult with the Poisons Information Centre {Telephone 13 11 26}. Have a copy of this material safety data sheet or label available. Treat symptomatically as symptoms may be delayed for several hours after exposure.

FIRE FIGHTING MEASURES

Extinguishing Media and Requirements
Carbon Dioxide \(\text{CO}_2\), alcohol resistant foam, dry chemical or water spray. DO NOT use water jets. Bund area with sand to prevent run – off entering waterways, sewage and drains. On heating, containers may rupture and explode: contents may burn rapidly forming toxic gases including carbon monoxide, soot and smoke, above the boiling point.

Hazardous Decomposition Products
Highly Flammable Liquid. Flash Point = \(-4^\circ\)Celsius

Flammability
Vapours may form explosive/air mixtures.

Specific Hazards
Fire – fighters should wear Chemical Splash Suit with attached Self – Contained Breathing Apparatus incorporating an Organic Vapour Respirator and gloves. Evacuate all non fire–fighting personnel away from the area. Turn off all electricity and power supplies. Keep containers cool with water spray or water to prevent rupture or burning. Move away all packages and equipment from the direction of the fire, if safe to do so Keep upwind.
ACCIDENTAL RELEASE MEASURES

Emergency Procedures. 
Spills and Leaks 

Contain all spills and leaks. Avoid contamination with spilt material on surfaces or entering waterways, drains and sewage. Remove all sources of ignition and NO SMOKING. Wear the recommended full body impervious clothing, gloves and breathing apparatus as per AS– NZ 1715/16. Keep upwind. Absorb all spilt contents onto sand or earth.

Disposal 

Collect all residues into labelled and sealed containers for disposal via special waste collection services as per local Statutory Authority requirements.

Other Precautions 

Ensure there is adequate ventilation at all times during the cleaning up period.

HANDLING and STORAGE

Precautions for Safe Handling 

Highly Flammable Liquid. Remove all sources of ignition. Wear the recommended Personal Protective Equipment including organic vapour respirator, eye/face protection, protective clothing, gloves and enclosed footwear. Ensure there is adequate ventilation at all times. After use, before eating, drinking or smoking, wash all exposed skin and hair with soap and water.

EXPOSURE CONTROLS for 8 hours

Exposure Standards 

Xylene = 350 milligram/cubic metre 
Methyl Ethyl Ketone = 600 milligram/cubic metre 
Ethyl Benzene = 435 milligram/cubic metre

PERSONAL PROTECTION

Inhalation 

The wearing of Organic Vapour – Particulate Respirator must be worn at all times during the application and handling period.

Eye 

The wearing of safety glasses fitted with side shields should be worn at all times during the application and handling period. Do not wear contact lenses.

Gloves 

The wearing of Neoprene or PVC gloves should be worn at all times during the application and handling period.

Footwear 

The wearing of enclosed footwear should be worn at all times during the application and handling period.

Clothing 

The wearing of anti–static clothing made on natural or synthetic high temperature fibre should be worn at all times during the application and handling period.

Hearing 

The wearing of hearing protection is recommended to be worn during the spray application period.

Other Requirements 

Avoid contact with eyes and skin at all times. Avoid inhaling vapours.
PHYSICAL – CHEMICAL PROPERTIES

**Appearance**  
A coloured liquid with a strong odour.

**pH**  
Not required.

**Vapour Pressure**  
Greater than 1

**Boiling Point °C**  
80 to 140 °Celsius

**Density**  
1.43

**Solubility in water**  
Immiscible

**Flash Point °C**  
-4 °Celsius (literature value)

**Boiling Point °C**  
80 to 140 °Celsius

**Flammability Limits**  
Lower Explosive Limit = 1.0  
Upper Explosive Limit = 11.5

**Auto Ignition °C**  
514 °Celsius (literature value)

**Volatile Organic Compounds VOC**  
60.0 % volume/volume

**Volatile Components**  
Liquid Aromatic Hydrocarbons and Aliphatic Ketone

STABILITY and REACTIVITY

**Chemical Stability**  
Stable under normal conditions of use.

**Conditions to avoid**  
Avoid contact with heat and all ignition sources.

**Hazardous decomposition products**  
On heating, containers may rupture and explode: contents may burn rapidly forming toxic gases including carbon monoxide, soot and smoke.

**Incompatible materials**  
Incompatible with strong oxidizing agents

**Hazardous Reactions**  
Will not polymerize.

TOXICOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Inhalation LC50</th>
<th>Dermal LD50</th>
<th>Oral LD50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl Ethyl Ketone</td>
<td>20 mgm/Litre</td>
<td>8000 mgm/kgm</td>
<td>2600 mgm/kgm</td>
</tr>
<tr>
<td>Xylene</td>
<td>20 mgm/Litre</td>
<td>4500 mgm/kgm</td>
<td>2840 mgm/kgm</td>
</tr>
<tr>
<td>Ethyl Benzene</td>
<td>20 mgm/Litre</td>
<td>15500 mgm/kgm</td>
<td>3500 mgm/kgm</td>
</tr>
</tbody>
</table>

Health Effects – Toxicological and Other Health Information

**Inhalation**  
No data available

**Ingestion**  
No data available.

**Eyes**  
If in eyes, may cause other symptoms including burning sensation, redness, swelling and/or blurred vision. Also, may cause decreased in colour perception.

**Skin**  
May have degreasing effect on the skin may result in contact dermatitis. Repeated or prolonged exposure may cause skin dryness and cracking.

**Carcinogenic**  
Not carcinogenic in animal studies

**Mutagenic**  
Not mutagenic in animal studies.

**Reproductive**  
No data available

**Toxicity**  
No data available.
ECOLOGICAL INFORMATION

Environment  May cause long lasting harmful effects in the aquatic environment.
Persistence/ Degradability  No data available.
Mobility  No data available
Environment Protection  Not Known

DISPOSAL CONSIDERATIONS

Collect all residues and placed into labelled and sealed containers. Do not incinerate empty containers after use. Dampen all unwanted cloths and rags in water prior to disposal. Do not recycle contents. Crush all small empty containers. Large containers and drums may be sent to an approved drum recycler. Ensure all contents do not pollute waterways, drains and sewage.

TRANSPORT INFORMATION

UN number 1263
Proper Shipping Name PAINT – immiscible in water
Class 3
Packing Group II
Emergency Procedures EP 3304
HAZCHEM 3[YE]
IMDG Not Known

REGULATORY INFORMATION

Regulatory Information and Hazard Category The product is classified as Hazardous Substance in accordance to SAFE WORK AUSTRALIA (HSIS) and Globally Harmonised System as Harmful and Irritant.
SUSMP Classification Classified as a Schedule S 5 Poison.
OTHER INFORMATION

**Emergency Contact**
Poisons Information Centre 13 11 26
HiChem Paint Technologies
(03) 9796 3400

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