Hi Chem Paint Technologies Pty.Ltd.
A.B.N. 95 064 139 563
73 Hallam South Road, HALLAM, VICTORIA 3803.
Telephone : {03} 9796 3400  Facsimile : {03} 9796 4500
Email: msdsinfo@hichem.com.au  www.hichem.com.au

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 314 | Category 1 | Causes severe skin and eye damage.  
AUH 066 Repeated exposure may cause skin dryness or cracking |
| H 317 | Category 1 | May cause an allergic skin reaction |
| 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.</td>
</tr>
</tbody>
</table>
|                | P 264        | Wear the recommended protective equipment at all times,  
Wash all exposed skin and hair after application and handling period with soap and warm water. |
|                | P 270        | Do not smoke, eat or drink during application and handling period. |
|                | P 273        | Avoid release to the environment includes drains, sewage and waterways, and atmosphere. |
|                | P 280        | The wearing of protective clothes with gloves, organic vapour respirator, face and eye protection during application and handling period. |
| Response       | P 301/10     | If swallowed, rinse the mouth water immediately. Contact the Poisons Information Centre (Telephone 13 11 26) urgently.  
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. |
|                | P 303/13/62  | 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. |
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 RELATED MATERIAL, U.N 1263, CLASS 3, HAZCHEM 3[Y]E.

Product Usage.  HICHEM EPOXY PRIMER HARDENER is the polyamine component of a two pack, high build, anti-corrosive coating, when mixed with its appropriate Epoxy Primer Grey (Base) 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>Toluene</td>
<td>108 – 88 – 3</td>
<td>57.0 – 63.0 %</td>
</tr>
<tr>
<td>Xylene</td>
<td>1330 – 20 – 7</td>
<td>10.0 – 15.0 %</td>
</tr>
<tr>
<td>Ethyl Benzene</td>
<td>100 – 41 – 4</td>
<td>2.0 – 3.0 %</td>
</tr>
<tr>
<td>Di Methyl Amino Methyl Phenol</td>
<td>Not Known</td>
<td>9.0 – 11.0 %</td>
</tr>
<tr>
<td>Polymeric Triethyl Tetramine</td>
<td>68082 – 29 – 1</td>
<td>18.0 – 20.0 %</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 water 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 \{CO\textsubscript{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.

**Hazardous Decomposition Products**
On heating, containers may rupture and explode: contents may burn rapidly forming toxic gases including carbon monoxide, soot and smoke, above the boiling point.

**Flammability**
Highly Flammable Liquid. Flash Point = 4 °Celsius

**Specific Hazards**
Vapours may form explosive/air mixtures.

**Precautions in connection with Fire**
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.**
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.

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

**Disposal**
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
- Toluene = 190 milligram/cubic metre
- Di Methyl Amino Methyl Phenol = 100 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 must be worn at all times during the handling period. Do not wear contact lenses.

**Gloves**
The wearing of Neoprene or PVC gloves must be worn at all times during the handling period.

**Footwear**
The wearing of enclosed footwear must be worn at all times during the 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 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 colourless liquid with a strong amine type odour.

**pH**
Not required.

**Vapour Pressure**
Greater than 1

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

**Density**
0.90

**Solubility in water**
Immiscible

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

**Flammability**
Lower Explosive Limit = 1.0
Upper Explosive Limit = 7.8

**Auto Ignition °C**
430 °Celsius (literature value)

**Volatile Organic Compounds VOC**
74.0 % volume/volume

**Volatile Components**
Liquid Aromatic Hydrocarbons and Polyamines.

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>Di Methyl Amino Methyl Phenol</td>
<td>20 mgm/Litre</td>
<td>2000 mgm/kgm</td>
<td>2000 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>Tri Ethyl Tetramine</td>
<td>20 mgm/Litre</td>
<td>550 mgm/kgm</td>
<td>2500 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>
<tr>
<td>Toluene</td>
<td>28.8 mgm/Litre</td>
<td>12200 mgm/kgm</td>
<td>5580 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. May cause sensitization.

**Carcinogenic**
Not carcinogenic in animal studies

**Mutagenic**
Not mutagenic in animal studies.

**Reproductive 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 RELATED MATERIAL, N.O.S. – immiscible in water
Class  3
Packing Group  II
Emergency Procedures  EP 3304
HAZCHEM  3[Y]E
IMDG  Not Known

REGULATORY INFORMATION

The product is classified as Hazardous Substance in accordance to SAFE WORK AUSTRALIA (HSIS) and Globally Harmonised System as Harmful and Irritant.

Classified as a Schedule S 5 Poison.
OTHER INFORMATION

Emergency Contact
Poisons Information Centre 13 11 26

HiChem Paint Technologies
(03) 9796 3400

Disclaimer
Data provided is to best of HiChem Paint Technologies Proprietary Limited knowledge and believe to be accurate and reliable as of the date of issued. However no expressed or implied warranties are given. HiChem Paint Technologies Proprietary Limited cannot anticipate or control the conditions under which this information may be used. Therefore, it is user’s responsibility to satisfy themselves as to the suitability and completeness of such information for their particular use. It is the responsibility of the user to ensure that the issue is current.

This information given is a non-controlled document