**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**

<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 101/102/3</td>
<td>Keep out of reach of children. Carefully read and understand this document during the application period.</td>
</tr>
<tr>
<td>Prevention</td>
<td>P 233/34/35</td>
<td>Keep in original package(s) and tightly closed in a cool dry place when not in use. Ensure all package(s) are clearly labelled.</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 manufacturing 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 the application period with soap and warm water.</td>
</tr>
<tr>
<td></td>
<td>P 270</td>
<td>Do not smoke, eat or drink during the application 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, vapour mask, face and eye protection during the application 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>
</tbody>
</table>
|                | 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 in a Flammable Goods Store and away from protect from direct sunlight.

Disposal  P 501 Dispose carefully unused package(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 AEROSOL, capacity less than 1 Litre., U.N 1950, CLASS 2, HAZCHEM 2 YE.

Product Usage. Apply by aerosol spray as high adhesion primer on metal. For further information contact HICHEM helpdesk on (03) 9796 3034.

IDENTIFICATION of the SUBSTANCE(S) and COMPOSITION

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Code</th>
<th>Product Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUPER ETCH PRIMER – AEROSOL</td>
<td>EP 400</td>
<td>An aerosol spray used for priming of small metal areas.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>Name</th>
<th>CAS Number</th>
<th>Proportion w/w</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene</td>
<td>108 – 88 – 3</td>
<td>10 – &lt;30 %</td>
<td></td>
</tr>
<tr>
<td>Aliphatic Alcohols</td>
<td>Mixture</td>
<td>10 – &lt;30 %</td>
<td></td>
</tr>
<tr>
<td>Methyl Ethyl Ketone</td>
<td>78 – 93 – 3</td>
<td>10 – &lt;30 %</td>
<td></td>
</tr>
<tr>
<td>Di Methyl Ether</td>
<td>115 – 10 – 6</td>
<td>30 – 60 %</td>
<td></td>
</tr>
<tr>
<td>Coloured Pigments/Extenders(non – hazardous)</td>
<td>Mixture</td>
<td>1.0 – &lt;10 %</td>
<td></td>
</tr>
<tr>
<td>Polymeric Synthetic Resins (non – hazardous)</td>
<td>Mixture</td>
<td>1.0 – &lt;10 %</td>
<td></td>
</tr>
<tr>
<td>Additives (non – hazardous)</td>
<td>Mixture</td>
<td>0.1 – &lt;1.0 %</td>
<td></td>
</tr>
</tbody>
</table>
FIRST AID MEASURES

Inhalation
If the applicator feels drowsy, dizzy, tired or experiencing headaches, remove the victim to the fresh air. Keep the victim warm and quiet until all symptoms subside.

Ingestion
Unlikely route of exposure. Give 2 glasses of clean water to drink. If any symptoms occur, **DO NOT** induce vomiting; seek URGENT medical attention if frothing from the mouth occurs.

Eyes
If sprayed into eyes, hold eyes open, irrigate copiously with clean water for at least 15 minutes. Seek immediate medical attention if any irritation occurs.

Skin
If skin contact occurs, remove contaminated clothing, and wash thoroughly with soap and plenty of water. Seek medical attention if any irritation occurs.

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 systems may be delayed for several hours after exposure.

FIRE FIGHTING MEASURES

Extinguishing Media and Requirements
Carbon Dioxide (CO₂), alcohol resistant foam, dry chemical or water spray. **DO NOT** use water jets. Bund area with sand to prevent run – off entering waterways and drains.

Fire Fighting Procedures & Precautions
Fire – fighters **must** wear Chemical Splash Suit with attached Self – Contained Breathing Apparatus 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 containers and equipment from the direction of the fire, if safe to do so. Keep upwind.

Flammability
Extremely Flammable Gas. Flash Point = < - 25 °C

Hazardous Decomposition Products
On heating, containers may rupture and explode: contents may burn rapidly forming toxic gases including carbon monoxide

ACCIDENTAL RELEASE MEASURES

Spills and Leaks
Contain all spills and leaks. Avoid contamination with spilt material on surfaces. 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
Avoid contaminating waterways, drains, water courses and sewage.
HANDLING and STORAGE

Handling
Keep out of reach of children. Avoid unnecessary contact with the material. After use before eating, drinking or smoking wash all exposed skin with soap and water.

Storage
Containers must be clearly labelled, rigid and strong. Store upright in a cool, dry, well ventilated area from heat, ignition sources and direct sunlight e.g. Flammable Goods Store as per AS 1940 requirements.

EXPOSURE CONTROLS for 8 hours

Exposure Standards
Di Methyl Ether = 760 milligram/Litre
Acetone = 1185 milligram/cubic metre
Toluene = 190 mgm/cubic metre
Xylene = 350 milligram/cubic metre
Ethyl Alcohol = 960 milligram/cubic metre
Ethyl Benzene = 435 milligram/cubic metre
Aliphatic Esters = ≥500 milligram/cubic metre
Methyl Ethyl Ketone = 600 mg/m³

Engineering Controls
The use of local exhaust ventilation equipment is required. All ventilation equipment must be fitted with flame and explosion proof electrical fittings. Do not use in a confined space.

PERSONAL PROTECTION

Inhalation
Organic Vapour – Particulate Respirator must be worn at all times during the application period.

Eye
Safety glasses fitted with side shields must be worn during the application period. Do not wear contact lenses.

Gloves
Viton or PVC gloves must be worn during the application period.

Footwear
Enclosed footwear must be worn during the application period.

Clothing
Anti–static clothing made on natural or synthetic high temperature fibre must be worn during the application period.

Hearing
Not required.

Other Requirements
Avoid contact with eyes and skin. Avoid inhaling vapours and spray mists at all times.

PHYSICAL – CHEMICAL PROPERTIES

Appearance
A coloured gas with a mild odour.

pH
Not required.

Vapour Pressure
Greater than 1.0

(Butyl Acetate = 1)

Boiling Point °C
Not Known

Density
0.79 {calculated value}

Solubility in water
Immiscible

Flash Point °C
< - 25 °C {literature value}
Flammability Limits

Auto Ignition °C

Volatile Components

Lower Explosive Limit = 1.2 %  
Upper Explosive Limit = 15.0 %

340 °C [literature value]

Organic Solvents.

STABILITY and REACTIVITY

Chemical Stability

Conditions to avoid

Hazardous decomposition products

Incompatible materials

Hazardous Reactions

Stable under normal conditions of use.

Avoid contact with heat and all ignition sources.

On heating, containers will rupture and explode: contents may burn rapidly forming toxic gases including carbon monoxide.

Incompatible with strong oxidizing agents

Will not polymerize.

TOXICOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Inhalation</th>
<th>Dermal</th>
<th>Oral</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>LC₅₀ (rat)</td>
<td>LD₅₀ (rabbit)</td>
<td>LD₅₀ (rat)</td>
</tr>
<tr>
<td>Di Methyl Ether</td>
<td>20 mgm/Litre</td>
<td>2000 mg/kgm</td>
<td>28700 mg/kgm</td>
</tr>
<tr>
<td>Toluene</td>
<td>29 mgm/Litre</td>
<td>12200 mg/kgm</td>
<td>5580 mg/kgm</td>
</tr>
<tr>
<td>Aliphatic Esters</td>
<td>20 mgm/Litre</td>
<td>2000 mg/kgm</td>
<td>2000 mg/kgm</td>
</tr>
<tr>
<td>Acetone</td>
<td>50 mgm/Litre</td>
<td>7450 mg/kgm</td>
<td>5800 mg/kgm</td>
</tr>
</tbody>
</table>

Acute Oral Toxicity rat

Low toxicity. Aspiration into lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.

Acute Dermal Toxicity

Low toxicity

Acute Inhalation Toxicity

Low toxicity. High concentrations may cause central nervous system depression resulting in headaches, dizziness, nausea, loss of co-ordination and impaired judgement: continued inhalation may result in unconsciousness and/or death.

OTHER TOXICOLOGICAL INFORMATION (CONTINUED)

Health Effects

Inhalation

Other symptoms may cause dizziness, nausea, coughing, lack of co-ordination and impair judgement.

Ingestion

Large quantities may cause nausea and vomiting.

Eyes

Irritating to the eyes, including burning sensation, redness, swelling and/or blurred vision.

Skin

Will have degreasing effect on the skin may result in contact dermatitis.

Carcinogenicity

No evidence of a carcinogenic effect.

Mutagenicity

Not mutagenic in animal studies.

Reproductive Toxicity

May impair fertility.
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 or spent containers. Crush all small empty containers. Larger containers and drums may be sent to an approved drum recycler. Ensure all contents do not pollute waterways, drains and other water courses.

TRANSPORT INFORMATION

UN number: 1950
Proper Shipping Name: AEROSOLS, capacity less than 1 Litre
Class: 2
Packing Group: Not Assigned
Emergency Procedures: 3900
HAZCHEM: 2YE
IMDG: Not Known
Subsidiary Risk: Not Required
Initial Emergency Response Guide: 49

OTHER INFORMATION

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

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