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 HAZARD 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 103</td>
<td>Carefully read and understand this document prior to application.</td>
</tr>
<tr>
<td>Prevention</td>
<td>P 211</td>
<td>Do not apply on hot surfaces. No Smoking</td>
</tr>
<tr>
<td></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 and spray mists during the application period. Wear the recommended protective equipment at all times,</td>
</tr>
<tr>
<td></td>
<td>H 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 handling and application period.</td>
</tr>
<tr>
<td></td>
<td>P 271</td>
<td>Use in a well ventilated area away from all electrical or sparking equipment</td>
</tr>
<tr>
<td></td>
<td>P 273</td>
<td>Avoid release to the environment including 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 handling and application period.</td>
</tr>
<tr>
<td></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>Response</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>
<tr>
<td></td>
<td>P 304/13</td>
<td>If inhaled, removed oneself to fresh air from the contaminated area</td>
</tr>
</tbody>
</table>
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 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 HIGHLY FLAMMABLE LIQUID, CLASS 3, UN1993,

Product Usage. 

HICHEM UNIVERSAL FLATTING BASE is used in industrial and automotive products for lowering the gloss level. 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>CAS Number</th>
<th>Proportion w/w</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNIVERSAL FLATTING BASE</td>
<td>UFB</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Xylene</td>
<td></td>
<td>1330 – 20 – 7</td>
<td>30 – &lt;60.0 %</td>
</tr>
<tr>
<td>Ethyl Benzene</td>
<td></td>
<td>100 – 41 – 4</td>
<td>10. – &lt;30.0 %</td>
</tr>
<tr>
<td>Encapsulated Amorphous Silicon Dioxide</td>
<td></td>
<td>Not Known</td>
<td>10. – &lt;30.0 %</td>
</tr>
<tr>
<td>Polymeric Synthetic Resin</td>
<td></td>
<td>Not Known</td>
<td>10. – &lt;30.0 %</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 person 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 \( \text{CO}_2 \), 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.

**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 = 15 °C

**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 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.

Conditions of Safe 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

Exposure Standards
Xylene = 350 mg/m$^3$
Ethyl Benzene = 435 mgm/m$^3$

Exposure Standards
Not Known

Biological Limited Values
There are no known Biological Limited Values have been assigned.

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 fill containers in a confined space.
PERSONAL PROTECTION

**Inhalation**  
*AS –NZS 1715/16*  
The wearing of Organic Vapour – Particulate Respirator should be worn at all times during the handling and application period.

**Eye**  
*AS –NZS 1337*  
The wearing of safety glasses fitted with side shields should be worn at all times during the handling and application period. Do not wear contact lenses.

**Gloves**  
*AS –NZS 2161*  
The wearing of Neoprene or PVC gloves should be worn at all times during the handling and application period.

**Footwear**  
*AS –NZS 2210*  
The wearing of enclosed footwear should be worn at all times during the handling and application period.

**Clothing**  
*AS –NZS 2919*  
The wearing of anti–static clothing made on natural or synthetic high temperature fibre should be worn at all times during the handling and application period.

**Hearing**  
*AS –NZS 1270*  
Not required

**Other Requirements**  
Avoid contact with eyes and skin. Avoid inhaling vapours.

PHYSICAL – CHEMICAL PROPERTIES

**Appearance**  
A colourless liquid with a mild odour.

**pH**  
Not required.

**Boiling Point °C**  
136 – 140 °C

**Density**  
0.97 {calculated value}

**Solubility in water**  
Immiscible

**Flash Point °C**  
15 °C (literature value)

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

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

**Volatile Organic Compounds VOC**  
77 % volume/volume

**Volatile Components**  
Liquid Aromatic Hydrocarbons.
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 (rat)</th>
<th>Dermal LD₅₀ (rabbit)</th>
<th>Oral LD₅₀ (rat)</th>
</tr>
</thead>
<tbody>
<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>

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

Acute Dermal Toxicity
Low toxicity.

Acute Inhalation Toxicity
Low toxicity. High concentrations may cause central nervous system depression resulting in headaches, dizziness and nausea; continued inhalation may result in unconsciousness and/or death.

Health Effects

Inhalation
The inhalation of vapours may cause acute irritation to the respiratory system. Other symptoms may cause central nervous system depression resulting in headaches, dizziness, nausea, loss of co-ordination, impaired judgement. Vapours may cause headaches, drowsiness and dizziness.

Ingestion
Large quantities may cause nausea and vomiting. May be harmful causing lung damage if swallowed.

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 Toxicity
Not known
ECOLOGICAL INFORMATION

Environment: May cause long lasting harmful effects to 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 |
| Subsidiary Risk | Not Required |
| Packing Group | II |
| Emergency Procedures | EP 3300 |
| Initial Emergency Response Guide | 14 |
| HAZCHEM | 3[Y]E |
| 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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