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 225  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 316  Category 4  May cause skin irritation

AUH 066 Repeated exposure may cause skin dryness or cracking

H 320  Category 2B Causes eye irritation

H 332  Category 4  Harmful if inhaled

H 334  Category 5  May cause allergy or asthma symptoms : or breathing difficulties 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 manufacturing and application period.</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 manufacturing and handling period.</td>
</tr>
<tr>
<td></td>
<td>P 261/80</td>
<td>Avoid breathing vapours during manufacturing and application 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 manufacturing 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 manufacturing and 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, organic vapour respirator, face and eye protection during manufacturing and 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>
**Product Usage.**

HICHEM ANTI GRAFITI CLEAR PART A is the resin component of 2 Pack Polyurethane Finish. When mixed with its corresponding Isocyanate Part B., the resultant finish can be applied by spray for painting over various exterior surfaces. 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>Proportion w/w</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>CAS Number</td>
<td></td>
</tr>
<tr>
<td>Polymeric Synthetic Resin</td>
<td>Proprietary</td>
<td>60.0 – 75.0 %</td>
</tr>
<tr>
<td>Toluene</td>
<td>108 – 88 – 3</td>
<td>1.0 – 5.0 %</td>
</tr>
<tr>
<td>Methyl Ethyl Ketone</td>
<td>78 – 93 – 3</td>
<td>10.0 – 15.0 %</td>
</tr>
<tr>
<td>Acetyl Acetone</td>
<td>123 – 54 – 6</td>
<td>1.0 – 5.0 %</td>
</tr>
<tr>
<td>Butyl Acetate</td>
<td>123 – 86 – 4</td>
<td>25.0 – 30.0 %</td>
</tr>
<tr>
<td>Acetone</td>
<td>67 – 64 – 1</td>
<td>5.0 – 10.0 %</td>
</tr>
</tbody>
</table>
FIRST AID MEASURES

Inhalation
If the operator 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.

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.

**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**

- Acetyl Acetone = No data available
- Toluene = 190 milligram/cubic metre
- Methyl Ethyl Ketone = 350 milligram/cubic metre
- Butyl Acetate = 715 milligram/cubic metre

PERSONAL PROTECTION

**Inhalation**

The wearing of Positive Pressure Air Supplied Organic Vapour – Particulate Respirator **must** be worn at all times during the handling and spraying application period.

**Eye**

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

**Gloves**

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

**Footwear**

The wearing of enclosed footwear **must** be worn at all times during the application and spraying period.

**Clothing**

The wearing of anti-static clothing made on natural or synthetic high temperature fibre **must** be worn at all times during the application and spraying period.

**Hearing**

Not required

**Other Requirements**

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

- **Appearance**: A colourless liquid with a strong odour.
- **pH**: Not required.
- **Vapour Pressure (Butyl Acetate = 1)**: Greater than 1
- **Boiling Point °C**: 80 to 150 °Celsius
- **Density**: 0.92 {calculated value}
- **Solubility in water**: Immiscible
- **Flash Point °C**: - 4° Celsius (literature value)
- **Flammability Limits**: Lower Explosive Limit = 1.0 Upper Explosive Limit = 11.5
- **Auto Ignition °C**: 315 °Celsius (literature value)
- **Volatile Organic Compounds VOC**: 56.0 % volume/volume
- **Volatile Components**: Esters, liquid aromatic hydrocarbon and ketones

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>Inhalation LD50 (rabbit)</th>
<th>Dermal LD50 (rabbit)</th>
<th>Oral LD50 (rat)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene</td>
<td>29 mgm/Litre</td>
<td>12200 mgm/kgm</td>
<td>5580 mgm/kgm</td>
<td></td>
</tr>
<tr>
<td>Butyl Acetate</td>
<td>29 mgm/Litre</td>
<td>17600 mgm/kgm</td>
<td>14800 mgm/kgm</td>
<td></td>
</tr>
<tr>
<td>Acetyl Acetone</td>
<td>Not available</td>
<td>810 mgm/kgm</td>
<td>55 mgm/kgm</td>
<td></td>
</tr>
<tr>
<td>Methyl Ethyl Ketone</td>
<td>20 mgm/Litre</td>
<td>9400 mgm/kgm</td>
<td>4390 mgm/kgm</td>
<td></td>
</tr>
</tbody>
</table>

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.
January 2015  

Safety Data Sheet  

ANTI GRAFITI 2 PACK POLYURETHANE CLEAR –  
PART A  

Acute Dermal Toxicity  
Low toxicity.

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

TOXICOLOGICAL INFORMATION (CONTINUED)

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 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

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

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.

Version 2.0
HICH 7657
December 2014