HiChem Paint Technologies Pty.Ltd.
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Telephone : {03} 9796 3400  Facsimile : {03} 9796 4500
Email: mdsinfo@hichem.com.au  www.hichem.com.au
If poisoning occurs, consult with the Poisons Information Centre
{Telephone 13 11 26}.

Emergency Telephone Number (Police, Fire or Ambulance) : 000

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>Hazard Statement</th>
<th>Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H 225</td>
<td>Category 2</td>
<td>Highly Flammable Liquid – Flash Point &lt;23° Celsius</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Boiling Point – ≥ 35 ° Celsius</td>
</tr>
<tr>
<td>H 303</td>
<td>Category 4</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td>H 312</td>
<td>Category 4</td>
<td>Harmful in contact with the skin</td>
</tr>
<tr>
<td>H 316</td>
<td>Category 4</td>
<td>May cause skin irritation</td>
</tr>
</tbody>
</table>

AUH 066 Repeated exposure may cause skin dryness or cracking

<table>
<thead>
<tr>
<th>Hazard Statement</th>
<th>Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H 320</td>
<td>Category 2B</td>
<td>May cause eye irritation</td>
</tr>
<tr>
<td>H 332</td>
<td>Category 4</td>
<td>Harmful if inhaled</td>
</tr>
<tr>
<td>H 336</td>
<td>Category 3</td>
<td>May cause drowsiness and dizziness.</td>
</tr>
<tr>
<td>H 361</td>
<td>Category 1</td>
<td>May damage fertility or the unborn child.</td>
</tr>
<tr>
<td>H 373</td>
<td>Category 2</td>
<td>May cause damage to organs.</td>
</tr>
<tr>
<td>H 413</td>
<td>Category 4</td>
<td>May cause long lasting harmful effects in the aquatic environment</td>
</tr>
</tbody>
</table>

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></td>
<td>P 102/3</td>
<td>Keep out of reach of children. Carefully read and understand this document during application and handling period.</td>
</tr>
<tr>
<td>Precautionary</td>
<td>P 233/34/35</td>
<td>Keep in original container and tightly closed in a cool dry place with plenty of ventilation when not in use.</td>
</tr>
<tr>
<td></td>
<td>P 241</td>
<td>Ensure all equipment and lighting is explosion proof during application and handling period.</td>
</tr>
<tr>
<td></td>
<td>P 261/80</td>
<td>Avoid breathing vapours during the application and handling period. Wear the recommended protective equipment at all times. Wear protective clothing, eye and skin protection, safety footwear and organic vapour – particulate respirator, at all times. Do not enter into confined areas and ensure there is adequate ventilation.</td>
</tr>
<tr>
<td></td>
<td>H 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>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 contents and container(s) to an approved waste disposal site. Further information may be obtained by contacting the Local Statutory Authorities. Ensure all container(s) are labelled as PAINT, immiscible in water, U.N 1263 CLASS 3, HAZCHEM 3[Y]E, Packing Group II.

Product Usage. Applied by either by conventional or airless spray onto interior timber surfaces as a catalysed clear lacquer finish with outstanding features. 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>CAS Number</th>
<th>Code</th>
<th>Proportion w/w</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIGARD CLEAR LACQUER – GLOSS RANGE</td>
<td></td>
<td>HG</td>
<td></td>
</tr>
<tr>
<td>n Butyl Alcohol</td>
<td>71 – 36 – 3 1</td>
<td>8.0</td>
<td>11.0 %</td>
</tr>
<tr>
<td>n Butyl Acetate</td>
<td>123 – 86 – 4</td>
<td>16.0</td>
<td>20.0 %</td>
</tr>
<tr>
<td>Toluene</td>
<td>108 – 88 – 3</td>
<td>20.0</td>
<td>25.0 %</td>
</tr>
<tr>
<td>Methyl Ethyl Ketone</td>
<td>78 – 93 – 3</td>
<td>12.0</td>
<td>16.0 %</td>
</tr>
<tr>
<td>Xylene</td>
<td>1330 – 20 – 7</td>
<td>10.0</td>
<td>14.0 %</td>
</tr>
<tr>
<td>Ethyl Benzene</td>
<td>100 – 41 – 4</td>
<td>2.0</td>
<td>5.0 %</td>
</tr>
<tr>
<td>Polymeric Synthetic Resins</td>
<td>Proprietary</td>
<td>12.0</td>
<td>16.0 %</td>
</tr>
<tr>
<td>Nitrocellulose Resin</td>
<td>9004 – 70 – 0</td>
<td>4.0</td>
<td>7.0 %</td>
</tr>
<tr>
<td>Di Octyl Phthalate</td>
<td>117 – 81 – 7</td>
<td>1.0</td>
<td>4.0 %</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 induce 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 {CO₂}, 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, nitrogen oxides, 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 must 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**
- Butyl Alcohol = 152 milligram/cubic metre
- Toluene = 190 milligram/cubic metre
- Ethyl Benzene = 435 milligram/cubic metre
- Methyl Ethyl Ketone = 600 milligram/cubic metre
- Ethyl Alcohol = 960 milligram/cubic metre
- Di Octyl Phthalate = > 1000 milligram/cubic metre
- Xylene = 350 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. 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**
When applying by conventional spray, hearing protection **must** be worn during the application period.

**Other Requirements**
Wear safety footwear at all times. Avoid contact with eyes and skin at all times. Avoid inhaling vapours and spray mists.
PHYSICAL – CHEMICAL PROPERTIES

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

**pH**
Not required.

**Vapour Pressure**
(Butyl Acetate = 1)

**Boiling Point °C**
78 – 220 °C

**Density**
0.91 {calculated value}

**Solubility in water**
Immiscible

**Flash Point °C**
- 17 °C (literature value)

**Flammability**
Lower Explosive Limit = 1.0

**Auto Ignition °C**
340 °C (literature value)

**Volatile Organic Compounds VOC**
84 % volume/volume

**Volatile Components**
Ketone, Aliphatic Esters, Alcohols and 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 nitrogen oxides, 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</th>
<th>Dermal</th>
<th>Oral</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>( LC_{50} ) (rat)</td>
<td>( LD_{50} ) (rabbit)</td>
<td>( LD_{50} ) (rat)</td>
</tr>
<tr>
<td>Toluene</td>
<td>28.8 mgm/Litre</td>
<td>12200 mgm/kgm</td>
<td>5580 mgm/kgm</td>
</tr>
<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 Alcohol</td>
<td>20 mgm/Litre</td>
<td>20000 mgm/kgm</td>
<td>6200 mgm/kgm</td>
</tr>
<tr>
<td>Ethyl Benzene</td>
<td>20 mgm/Litre</td>
<td>15000 mgm/kgm</td>
<td>3500 mgm/kgm</td>
</tr>
<tr>
<td>Butyl Alcohol</td>
<td>20 mgm/Litre</td>
<td>3400 mgm/kgm</td>
<td>790 mgm/kgm</td>
</tr>
<tr>
<td>Di Octyl Phthalate</td>
<td>&gt; 30 mgm/Litre</td>
<td>25000 mgm/kgm</td>
<td>30000 mgm/kgm</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.

**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  May damage fertility or the unborn child.
Toxicity

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
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.

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

Disclaimer

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