HiChem Paint Technologies Pty.Ltd.
A.B.N. 95 064 139 653
73 Hallam South Road, HALLAM, VICTORIA 3803.
Telephone: {03} 9796 3400 Facsimile: {03} 9796 4500
Email: msdsinfo@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>GHS Reference</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H 225</td>
<td>Highly Flammable Liquid and Vapour. Boiling Point &lt; 120° Celsius ; Flash Point 4° Celsius</td>
</tr>
<tr>
<td>H 303/312/316/333/336 Risk phrase 66</td>
<td>May be harmful if swallowed, may be in contact with skin, may cause irritation to skin and eyes, harmful if inhaled. Vapours may cause drowsiness and dizziness. Repeated or prolonged exposure on skin may cause dryness or cracking</td>
</tr>
<tr>
<td>H 370</td>
<td>May cause damage to organs if inhaled</td>
</tr>
<tr>
<td>H 413</td>
<td>May cause long lasting effects to aquatic life</td>
</tr>
</tbody>
</table>
### GHS PRECAUTIONARY STATEMENTS

<table>
<thead>
<tr>
<th>General Precautionary Statements</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>P 101/102/103</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Prevention Precautionary Statements</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>P 233/234/235</strong></td>
</tr>
<tr>
<td><strong>P 261/264/270/273/280</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Response Precautionary Statements</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>P 302</strong></td>
</tr>
<tr>
<td><strong>P 303</strong></td>
</tr>
<tr>
<td><strong>P 304</strong></td>
</tr>
<tr>
<td><strong>P 305</strong></td>
</tr>
<tr>
<td><strong>P 306</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Emergency Response Precautionary Statements</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>P 370</strong></td>
</tr>
<tr>
<td><strong>P 375</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Storage Precautionary Statements</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>P 402/403/404</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Disposal Precautionary Statements</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>P 501</strong></td>
</tr>
</tbody>
</table>
IDENTIFICATION of the SUBSTANCE(S) and COMPOSITION

<table>
<thead>
<tr>
<th>Product Name</th>
<th>CAS Number</th>
<th>Proportion w/w</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contact Adhesive</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Toluene</td>
<td>108 – 88 – 3</td>
<td>11.0 – 14.0 %</td>
</tr>
<tr>
<td>Methyl Ethyl Ketone</td>
<td>78 – 93 – 3</td>
<td>12.0 – 15.0 %</td>
</tr>
<tr>
<td>Solvent Naphtha – Light Aliphatic</td>
<td>Proprietary</td>
<td>29.0 – 34.0 %</td>
</tr>
<tr>
<td>Hexane</td>
<td>110 – 54 – 3</td>
<td>12.0 – 15.0 %</td>
</tr>
<tr>
<td>Polychlorophene</td>
<td>9010 – 98 – 4</td>
<td>20.0 – 25.0 %</td>
</tr>
<tr>
<td>Hydrocarbon Resin</td>
<td>Proprietary</td>
<td>4.0 – 7.0 %</td>
</tr>
</tbody>
</table>

PRODUCT USE: HICHEM MOTORSPRAY CONTACT ADHESIVE is used as adhesive on automotive and marine surfaces applied by blade scraper or brush. For further information, contact HICHEM helpdesk. Telephone 03 9796 3034.

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 swallow, 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 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 sand 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 Specific Hazards

Highly Flammable Liquid. Flash Point =< 23 °Celsius

Precautions in connection with Fire

Fire – fighters should wear Chemical Splash Suit with attached 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

Methyl Ethyl Ketone = 600 milligram/cubic metre
Toluene = 190 milligram/cubic metre
Solvent Naphtha – Light Aliphatic = 100 milligram/cubic metre
Hexane = 72 milligram/cubic metre
PERSONAL PROTECTION

Inhalation
The wearing of Organic Vapour Respirator should be worn at all times during the application and handling period.

AS – NZS 1715/16

Eye
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.

AS – NZS 1337

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

AS – NZS 2161

Footwear
The wearing of enclosed footwear should be worn at all times during the application and handling period.

AS – NZS 2210

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.

AS – NZS 2919

Hearing
Not required

AS – NZS 1270

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
Greater than 1

(Butyl Acetate = 1)

Boiling Point °C
69 to 111 °C

Density
1.00

Solubility in water
Immiscible

Flash Point °C
< 23 °C (literature value)

Flammability
Lower Explosive Limit = 1.0

Limits
Upper Explosive Limit = 11.3

Auto Ignition °C
240 °C (literature value)

Volatile Organic Compounds VOC
50.0 % volume/volume

Volatile Components
Liquid Aromatic and Aliphatic Hydrocarbons, Methyl Ethyl Ketone.

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</th>
<th>Dermal</th>
<th>Oral</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><em>LC₅₀ (rat)</em></td>
<td><em>LD₅₀ (rabbit)</em></td>
<td><em>LD₅₀ (rat)</em></td>
</tr>
<tr>
<td>Toluene</td>
<td>29 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>Solvent Naphtha – Light Aliphatic</td>
<td>20 mgm/Litre</td>
<td>2000 mgm/kgm</td>
<td>2000 mgm/kgm</td>
</tr>
<tr>
<td>Hexane</td>
<td>20 mgm/Litre</td>
<td>2000 mgm/kgm</td>
<td>2000 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 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 1133
Proper Shipping Name ADHESIVES
Class 3  Subsidiary Risk Not Required
Packing Group II
HAZCHEM 3[YE]
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.

SUSM Classification

OTHER INFORMATION

Emergency Contact Poisons Information Centre 13 11 26
Disclaimer HiChem Paint Technologies (03) 9796 3400
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 7768
November 2015