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</td>
<td>May be harmful if swallowed, may be in contact with skin, may cause irritation to skin and eyes, may be harmful if inhaled. Vapours may cause drowsiness and dizziness. Repeated or prolonged exposure on skin may cause dryness or cracking</td>
</tr>
<tr>
<td>Risk phrase 66</td>
<td>May be harmful if swallowed, may be in contact with skin, may cause irritation to skin and eyes, may be 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>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>P 101/102/103</td>
<td>If medical advice is needed, have product container or label readily available. Keep out of reach of reach of children. Carefully read the label and understand before prior to application.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Prevention Precautionary Statements</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>P 233/234/235</td>
<td>Keep in original container(s) tightly closed when not use in and stored in a well ventilated area from moisture. Ensure that all electrical equipment and lighting is explosion proof and protected from heat sources.</td>
</tr>
<tr>
<td>P 261/264/270/273/280</td>
<td>During the application period, used in a well ventilated area, NO SMOKING, consumption of food and liquids. Wear the protective clothing including hearing and eye protection at all times, including both facial and gloves, and protective footwear. The wearing of organic vapour face respirator required. Hearing protection required when applying by conventional (compressed air) spray. During the application, do not breathe spray mist, dust or fumes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Response Precautionary Statements</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>P 302</td>
<td>If swallowed, rinse mouth immediately with plenty of water. If any burning occurs, urgently contact the POISONS INFORMATION CENTRE on 13 11 26 for medical advice.</td>
</tr>
<tr>
<td>P 303</td>
<td>If on skin, carefully wash the contaminated area with warm water and soap immediately. Dry cautiously without damaging the affected area and apply an antiseptic ointment. Seek medical advice if any irritation occurs.</td>
</tr>
<tr>
<td>P 304</td>
<td>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</td>
</tr>
<tr>
<td>P 305</td>
<td>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.</td>
</tr>
<tr>
<td>P 306</td>
<td>If splashed onto personal protective clothing, removed all contaminated clothing and wash with plenty of water immediately before reuse.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Emergency Response Precautionary Statements</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>P 370</td>
<td>To fight fire at a reasonable distance, using dry sand or earth, or alcohol resistant foam. If safe to do so, remove all electrical equipment in the direction of fire. Ensure all power supplies are switched off.</td>
</tr>
<tr>
<td>P 375</td>
<td>Containers may explode on heating and ignite rapidly. Spilt contents can present a significant fire risk. If safe to do so, remove all damaged container(s) away from the direction of fire and leaks can be absorbed onto dry sand to prevent further damage. Consider evacuating the area as the fire may spread</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Storage Precautionary Statements</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>P 402/403/404</td>
<td>Store in a dry, well ventilated place in closed, clearly labelled containers away from heat and sunlight in a Flammable Goods Store. Ensure all areas and entrances are readily accessible at all times</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Disposal Precautionary Statements</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>P 501</td>
<td>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 PAINT, U.N 1263, CLASS 3, HAZCHEM 3[Y]E</td>
</tr>
</tbody>
</table>
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>FLEXI ADD</td>
<td>FA 250</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Name</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Toluene</td>
<td></td>
<td>108 – 88 – 3</td>
<td>15.0 – 19.0 %</td>
</tr>
<tr>
<td>Xylene</td>
<td></td>
<td>1330 – 20 – 7</td>
<td>3.0 – 6.0 %</td>
</tr>
<tr>
<td>Aliphatic Ketones</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aliphatic Esters</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Polymeric Synthetic Resins</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Polymeric Organic Phthalate</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

PRODUCT USE: HICHEM MOTORSPRAY FLEXI ADD is a specialised additive used to increase the flexibility of automotive topcoats. 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 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 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**
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.

Spills and Leaks
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
- Aliphatic Esters = 715 milligram/cubic metre
- Toluene = 190 milligram/cubic metre
- Aliphatic Ketones = 600 milligram/cubic metre
- Xylene = 350 milligram/cubic metre

PERSONAL PROTECTION

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

Eye AS –NZS 1337
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 AS –NZS 2161
The wearing of Neoprene or PVC gloves should be worn at all times during the application and handling period.

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

Hearing AS –NZS 1270
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 perfume type odour.

**pH**
Not required.

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

**Boiling Point °C**
56 to 156 °Celsius

**Density**
1.00

**Solubility in water**
Immiscible

**Flash Point °C**
4 °Celsius (literature value)

**Flammability Limits**
Lower Explosive Limit = 1.0
Upper Explosive Limit = 11.3

**Auto Ignition °C**
315 °Celsius (literature value)

**Volatile Organic Compounds VOC**
50.0 % volume/volume

**Volatile Components**
Liquid Aromatic Hydrocarbons, Aliphatic Esters 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</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>Toluene</td>
<td>29 mgm/Litre</td>
<td>12200 mgm/kgm</td>
<td>5580 mgm/kgm</td>
</tr>
<tr>
<td>Aliphatic Ketones</td>
<td>20 mgm/Litre</td>
<td>2000 mgm/kgm</td>
<td>2000 mgm/kgm</td>
</tr>
<tr>
<td>Aliphatic Esters</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  
May cause genital malfunction in the foetus

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 RELATED MATERIAL

Class  
3  

Subsidiary Risk  
Not Required

Packing Group  
II

Emergency Procedures  
EP 3300

Initial Emergency Response Guide  
14

HAZCHEM  
3 YE

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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