HiChem Paint Technologies Pty.Ltd.
A.B.N. 95 064 139 563
73 Hallam South Road, HALLAM, VICTORIA 3803.
Telephone : {03} 9796 3400 Facsimile : {03} 9796 4500
Email: mdsinfo@hichem.com.au www.hichem.com.au
Emergency Poisons Information Centre 13 11 26
Contact HiChem Paint Technologies (03) 9796 3400 8am-4pm

Product Use: HICHEM Thinner T 306 is use as a retarder thinner for industrial products.

HAZARD IDENTIFICATION

The product is classified as Dangerous Goods and Hazardous Substance in accordance to SAFE WORK AUSTRALIA {HSIS} and GLOBALLY HARMONISED SYSTEM {GHS} criteria.

GHS requirements.
Classification of the substance or mixture
Flammable liquids – (Category 3)
Carcinogenic – (Category 2)
Mutagenic – (Category 1B)
Dermal, Inhalation and Eye Irritation – (Category 2)
Acute Toxicity – inhalation dermal, oral (Category 3)
Environment – Aquatic Organisms

DANGER

Hazard Statements
H226: Flammable liquid and vapour
H302/312/332: Harmful if swallowed, in contact with skin and if inhaled.
H304: May be fatal if swallowed and enters airways
H315: Causes skin irritation
H318: Causes serious eye irritation
H373: May cause damage to organs through prolonged or repeated exposure
H336: May cause drowsiness or dizziness
H351: Suspected of causing cancer
H360: May damage fertility or the unborn child
H411: Toxic to aquatic life with long lasting effects

PRECAUTIONARY REQUIREMENTS

General Requirements
P 102 Keep out of reach of children.
P 103 Read label before use.

Prevention
P 210 Keep away from heat sources, electrical discharges (sparks), naked (open) flames and ignition sources. NO SMOKING
P 233 + P 234 Keep original containers tightly closed when not in use and stored in a well ventilated area away from heat and sunlight.
Avoid inhaling vapours and spray mists. Ensure there is adequate ventilation at all times.

Wash all exposed skin and hair with warm water and soap after use.

When using, do not eat, drink or smoke.

Avoid release to the environment including waterways, sewage and drains.

The following Risk and Safety Phrases have been allocated for this product in accordance with SAFE WORK AUSTRALIA requirements. The Australian Dangerous Goods Code included.

**Risk Phrases R**

10 Flammable Liquid.

20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

36/37/38 Irritating to eyes, respiratory system and skin.

45 May cause cancer (Category 2).

46 May cause genetic heritable damage (Category 1B)

52/53 Harmful to aquatic organisms, may cause long term adverse effects to the aquatic environment.

65/66/67 Harmful. May cause lung damage if swallowed. Repeated or prolonged exposure may cause skin dryness and cracking. Vapours may cause headaches, drowsiness and dizziness.

**Safety Phrases S**

2 Keep out of reach of children

7/9 Keep containers tightly closed when not in use and also in a well ventilated area.

15/16 Keep away from heat and sources of ignition.

20/21 When using, do not eat, drink or smoke.

23.3 Do not breathe the vapours.

24/25 Avoid skin contact and with the eyes.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

27 Take off immediately all contaminated clothing.

28.1 In contact with the skin, wash immediately with soap and plenty of water.

36/37/38/39 Wear protective clothing, including enclosed footwear, PVC or Neoprene gloves, organic vapour respirator including eye, hair and face protection.

45 In case of accident, or if you feel unwell, seek medical advice immediately. Show the label where possible.

62 If swallowed, do not induce vomiting: seek medical advice immediately. Show the label where possible.

**ADG Classification**


**SUSMP**

Classified as a Schedule S 5 poison.

**IDENTIFICATION of the SUBSTANCE(S) and COMPOSITION**

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>THINNER T 306</td>
<td>T 306</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS Number</th>
<th>Proportion w/w</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylene Glycol Mono Butyl Ether</td>
<td>111 – 76 – 2</td>
<td>10 – &lt;30.0 %</td>
</tr>
<tr>
<td>Propylene Glycol Mono Methyl Ether</td>
<td>107 – 98 – 2</td>
<td>1.0 – &lt;10.0 %</td>
</tr>
<tr>
<td>Solvent Naphtha (Petroleum) Light Aromatic</td>
<td>64742 – 95 – 6</td>
<td>30 – &lt;60.0 %</td>
</tr>
<tr>
<td>Xylene</td>
<td>1330 – 20 – 7</td>
<td>10 – &lt;30.0 %</td>
</tr>
<tr>
<td>Ethyl Benzene</td>
<td>100 – 41 – 4</td>
<td>1.0 – &lt;10.0 %</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 (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, above the boiling point

Flammability
Flammable Liquid. Flash Point = 27 °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 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. 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
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
- Ethyl Benzene = 440 mg/m³
- Xylene = 350 mg/m³
- Solvent Naphtha (Petroleum) Light Aromatic = 100 mg/m³
- Propylene Glycol Mono Methyl Ether = 370 mg/m³
- Ethylene Glycol Mono Butyl Ether = 98 mg/m³
- Xylene = 655 mg/m³
- Ethylene Glycol Mono Butyl Ether = 242 mg/m³

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.

PERSONAL PROTECTION

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

Eye
AS –NZS 1715/16
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 1337
The wearing of Neoprene or PVC gloves should be worn at all times during the handling and application period.

Footwear
AS –NZS 2161
The wearing of enclosed footwear should be worn at all times during the handling and application period.

Clothing
AS –NZS 2210
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.

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

**Boiling Point °C**
120 – 168 °C

**Density**
0.88 {calculated value}

**Solubility in water**
Immiscible

**Flash Point °C**
27 °C (literature value)

**Flammability**
Lower Explosive Limit = 1.0
Upper Explosive Limit = 10.3

**Auto Ignition °C**
250 °C (literature value)

**Volatile Organic Compounds VOC**
100 % weight/volume

**Volatile Components**
Solvent Naphtha (Petroleum) Light Aromatic, Ethyl Benzene, Xylene, Ethylene Glycol Mono Butyl Ether and Propylene Glycol Mono Methyl Ether.

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>Health Effects</th>
<th>Risk Phrase</th>
<th>Ethylene Glycol Mono Butyl Ether</th>
<th>Ethyl Benzene</th>
<th>Xylene</th>
<th>Solvent Naphtha (Petroleum) Light Aromatic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>LC50 rat</td>
<td>20</td>
<td>20 mgm/L.</td>
<td>20 mgm/L.</td>
<td>20 mgm/L.</td>
</tr>
<tr>
<td></td>
<td>Dermal</td>
<td>21</td>
<td>220 mgm/kg</td>
<td>2000 mgm/kg</td>
<td>4500 mgm/kg</td>
</tr>
<tr>
<td></td>
<td>LD50 rabbit</td>
<td>22</td>
<td>470 mgm/kg</td>
<td>2000 mgm/kg</td>
<td>340 mgm/kg</td>
</tr>
<tr>
<td></td>
<td>Oral</td>
<td>22</td>
<td>470 mgm/kg</td>
<td>2000 mgm/kg</td>
<td>340 mgm/kg</td>
</tr>
</tbody>
</table>

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

Acute Dermal Toxicity rabbit
Moderate toxicity.

Acute Inhalation Toxicity rabbit
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.
TOXICOLOGICAL INFORMATION (CONTINUED)

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. Harmful. May cause lung damage if swallowed.

Eyes  May irritate to the eyes, 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  May cause cancer – category 2.

Mutagenic  May cause heritable genetic defects – category 1B.

Reproductive Toxicity  No data available.

ECOLOGICAL INFORMATION

Environment  Harmful to aquatic organisms, may cause long term adverse 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 RELATED MATERIAL, THINNERS, NOT OTHERWISE SPECIFIED – immiscible in water.
Class 3
Packing Group III
HAZCHEM 3[Y]
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

Poisons Information Centre 13 11 26  
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.