

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](http://www.hichem.com.au)**IDENTIFICATION of the SUBSTANCE(S) and COMPOSITION**

| | | | |
|---------------------|--|-------------------|-----------------------|
| Product Name | SIGN LACQUER – COLOUR RANGE | Code | |
| Product Use | Applied by spray for painting of signage. | | |
| Ingredients | Name | CAS Number | Proportion w/w |
| | Xylene | 1330 – 20 – 7 | 1.0 – <10 % |
| | Toluene | 108 – 88 – 3 | 10 – <30 % |
| | Aliphatic Esters | Mixture | 10 – <30 % |
| | Ethyl Benzene | 100 – 41 – 4 | 1.0 – <10 % |
| | Coloured Pigments (Non – Hazardous) | Mixture | 5.0 – <15 % |
| | Polymeric Synthetic Resins (Non – Hazardous) | Mixture | 10 – <30 % |
| | Additives (Non – Hazardous) | Mixture | 1.0 – <10 % |

HAZARD IDENTIFICATION

The product is classified as both **Dangerous Goods and Hazardous Substance** in accordance to ASCC

Risk Phrases R

- 11 Highly Flammable Liquid
 21/22 Harmful in contact with the skin and if swallowed.
 36/37/38 Irritating to the eyes, respiratory system and skin.
 40 Limited evidence of a carcinogenic effect
 48/20 Harmful: Danger of serious damage to health by prolonged exposure through inhalation.
 51/53 Toxic to aquatic organisms and may cause long term adverse effects in the aquatic environment.
 63 Causes foetotoxicity in animals at doses which are maternally toxic.
 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 Keep away from heat.
 16/33 Keep away from sources of ignition. Take precautionary measures against static electricity.
 20/21 When using, do not eat, drink or smoke.
 23.2 Do not breathe 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 soap and plenty of water.
 36/37/38/39 The wearing of an Organic Vapour – Particulate Respirator, Safety Glasses fitted with side – shields, Viton or PVC gloves, enclosed footwear, high temperature and anti – static clothing.
 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.

HAZARD IDENTIFICATION (continued)

ADG Classification PAINT, immiscible in water, UN 1263, HAZCHEM 3[**V**]E, Class 3, Packing Group II, Initial Emergency Response Guide 14.

SUSDP Classified as a Schedule S 5 poison

FIRST AID MEASURES

Inhalation If the applicator feels drowsy, dizzy, tired or experiencing headaches, remove the victim to the fresh air. Keep the victim warm and quiet until all symptoms subside.

Ingestion If swallow, and only if the person is conscious, give clean water to drink. If any symptoms occur, **DO NOT** induce vomiting; seek URGENT medical attention if frothing from the mouth occurs.

Eyes If splashed into eyes, hold eyes open, irrigate copiously with clean water for at least 15 minutes. Seek immediate medical attention if any irritation occurs.

Skin If skin contact occurs, remove contaminated clothing, and wash thoroughly with soap and plenty of water. Seek medical attention if any irritation occurs.

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 systems 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 and drains.

Fire Fighting Procedures & Precautions Fire – fighters **must** 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 containers and equipment from the direction of the fire, if safe to do so. Keep upwind.

Flammability Hazardous Decomposition Products Highly Flammable Liquid. Flash Point = < - 4 °C
On heating, containers may rupture and explode: contents may burn rapidly forming toxic gases including carbon monoxide.



ACCIDENTAL RELEASE MEASURES

| | |
|--------------------------|--|
| Spills and Leaks | Contain all spills and leaks. Avoid contamination with spilt material on surfaces. 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 | Avoid contaminating waterways, drains, water courses and sewage. |

**HANDLING and STORAGE**

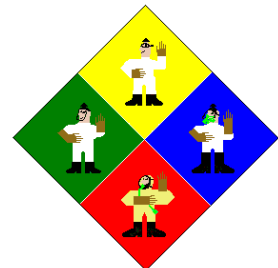
| | |
|-----------------|---|
| Handling | Keep out of reach of children. Avoid unnecessary contact with the material. After use before eating, drinking or smoking wash all exposed skin with soap and water. |
| Storage | Containers must be clearly labelled, rigid and strong. Store upright in a cool, 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 MAK | Toluene = 190 mg/m ³ . | Xylene = 350 mg/m ³ . |
| Exposure Standards STEL | Ethyl Benzene = 440 mg/m ³ . | Xylene = 655 mg/m ³ . |
| 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 AS –Nzs 1715/16 | The wearing of an Organic Vapour – Particulate Respirator must be worn at all times. |
| Eye AS –Nzs 1337 | The wearing of safety glasses fitted with side shields must be worn at all times. Do not wear contact lenses. |
| Gloves AS –Nzs 2161 | The wearing of Viton or PVC gloves must be worn at all times. |
| Footwear AS –Nzs 2210 | The wearing of enclosed footwear must be worn at all times. |
| Clothing AS –Nzs 2919 | The wearing of anti–static clothing made on natural or synthetic high temperature fibre must be worn at all times. |
| Hearing AS –Nzs 1270 | The wearing of hearing protection when applying by conventional spray must be worn during the spraying application period |
| Other Requirements | Avoid contact with eyes and skin. Avoid inhaling vapours and spray mists at all times. |



PHYSICAL – CHEMICAL PROPERTIES

| | | |
|---|--|--------------------------------|
| Appearance | A coloured liquid with a strong odour. | |
| pH | Not required. | |
| Vapour Pressure (Butyl Acetate = 1) | Greater than 1.0 | |
| Boiling Point °C | 56 – 150 °C {literature value} | |
| Density | 1.02 {calculated value} | |
| Solubility in water | Immiscible | |
| Flash Point °C | - 4 °C {literature value} | |
| Flammability | Lower Explosive Limit = 1.0 % | Upper Explosive Limit = 13.0 % |
| Limits | | |
| Auto Ignition °C | 315 °C {literature value} | |
| Volatile Components | Organic Solvents. | |

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. |
| Incompatible materials | Incompatible with strong oxidizing agents |
| Hazardous Reactions | Will not polymerize. |

TOXICOLOGICAL INFORMATION

| <i>Health Effects</i> | <i>Risk Phrase</i> | <i>Ethyl Benzene</i> | <i>Toluene</i> | <i>Xylene</i> |
|---------------------------------|--------------------|----------------------|----------------|---------------|
| Inhalation LC ₅₀ rat | 20 | >20 mgm/L | >20 mgm/L | >20 mgm/L |
| Dermal LD ₅₀ rabbit | 21 | >2000 mgm/kg | >2000 mgm/kg | >2000 mgm/kg |
| Oral LD ₅₀ rat | 22 | >2000 mgm/kg | 640 mgm/kg | >2000 mgm/kg |

Note

Risk phrases R20/21/22 has been assigned by the EEC Council Directive 67/548/EEC.

Risk Phrases R20/21/22 – Harmful by inhalation, skin contact or if swallowed.

| | |
|-------------------------------|---|
| 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 | Low toxicity |
| Acute Inhalation Toxicity rat | Low toxicity. High concentrations may cause central nervous system depression resulting in headaches, dizziness, nausea, loss of co-ordination and impaired judgement: continued inhalation may result in unconsciousness and/or death. |

OTHER TOXICOLOGICAL INFORMATION (continued)**Health Effects**

| | |
|-----------------------|---|
| Inhalation | Other symptoms may cause dizziness, nausea, coughing, lack of co-ordination and impair judgement. |
| Ingestion | Large quantities may cause nausea and vomiting. |
| Eyes | Irritating to the eyes, including burning sensation, redness, swelling and/or blurred vision. |
| Skin | Will have degreasing effect on the skin may result in contact dermatitis. |
| Mutagenicity | Not mutagenic in animal studies |
| Reproductive Toxicity | Causes foetotoxicity in animals at doses which are maternally toxic. Does not impair fertility. |

ECOLOGICAL INFORMATION

| | |
|--------------------|--|
| Environment | Toxic to aquatic organisms (R51). May cause long – term adverse effects in the aquatic environment (R53). |
|--------------------|--|

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 or spent containers. Crush all small empty containers. Larger containers and drums may be sent to an approved drum recycler. Ensure all contents do not pollute waterways, drains and other water courses.

**TRANSPORT INFORMATION**

| | | | |
|-----------------------------|----------------------------|---|--------------|
| UN number | 1263 | | |
| Proper Shipping Name | PAINT, immiscible in water | | |
| Class | 3 | Subsidiary Risk | Not Required |
| Packing Group | II | | |
| Emergency Procedures | 3300 | Initial Emergency Response Guide | 14 |
| HAZCHEM | 3[Y]E | | |
| IMDG | Not Known | | |

**REGULATORY INFORMATION**

| | |
|--------------|--------------------------------------|
| SUSDP | Classified as a Schedule S 5 poison. |
|--------------|--------------------------------------|

OTHER INFORMATION

| | | |
|--------------------------|--|----------------------------------|
| Emergency Contact | Poisons Information Centre 13 11 26 | HiChem Paint Technologies |
| Disclaimer | | (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