

**HiChem Paint Technologies Pty Ltd**

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Email: [msdsinfo@hichem.com.au](mailto:msdsinfo@hichem.com.au)Website: [www.hichem.com.au](http://www.hichem.com.au)**IDENTIFICATION of the SUBSTANCE(S) and COMPOSITION**

<b>Product Name</b>	THINNERS 315S	<b>Code</b>	T 315S
<b>Product Use</b>	Use as a thinner for 2 Pack Polyurethane Finishes.		
<b>Ingredients</b>	<b>Name</b>	<b>CAS Number</b>	<b>Proportion w/w</b>
	Toluene	108 – 88 – 3	30 – 60 %
	Methyl Ethyl Ketone	78 – 93 – 3	10 – 30 %
	Xylene	1330 – 20 – 7	10 – 30 %
	Propylene Glycol Mono Methyl Ether Acetate	108–65–6	10 – 30 %

**HAZARD IDENTIFICATION**

**Chronic** Risk 65,66,67 Harmful. May cause lung damage if swallowed. Repeated exposure may cause skin dryness and cracking. Vapours may cause headaches, drowsiness and dizziness.

**Acute**

Skin Risk 21,38 Harmful X<sub>n</sub>, Irritant X<sub>i</sub>

Inhalation Risk 20,37 Harmful X<sub>n</sub> Irritant X<sub>i</sub>

Ingestion Risk 22 Harmful X<sub>n</sub>

Eyes Risk 36 Irritant X<sub>i</sub>

**ADG** PAINT RELATED MATERIAL THINNERS – immiscible in water, UN 1263,

**Classification** Class 3, Packing Group II, HAZCHEM 3[Y]E.

**SUSDP** Classified as a Schedule S 5 poison.

**Classification**

**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 swallowed and only if the person 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 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.



## FIRE FIGHTING MEASURES

### *Extinguishing Media and Requirements Fire Fighting Procedures & Precautions*

Carbon Dioxide {CO<sub>2</sub>}, 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 – 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 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 = –1 °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*

Methyl Ethyl Ketone = 600 mg/m<sup>3</sup>. Xylene = 440 mg/m<sup>3</sup>.  
Toluene = 180 mg/m<sup>3</sup>.

### *Engineering Controls*

Propylene Glycol Mono Methyl Ether Acetate = 270 mg/m<sup>3</sup>.  
When applying the product, ensure there is adequate ventilation during the application period.

## PERSONAL PROTECTION

### *Inhalation*

AS –NZS 1715/16

The wearing of Positive Pressure Air Supplied Full Face Respirator **must** be worn at all times during the mixing and spray application period; and also all spray mists are efficiently dispersed from the spray booth atmosphere.

### *Eye*

AS –NZS 1337

The wearing of safety glasses fitted with side shields **should** be worn at all times during the mixing and spray application period. Do not wear contact lenses.

### *Gloves*

AS –NZS 2161

The wearing of Viton or PVC gloves **should** be worn at all times during the mixing and spray application period.

### *Footwear*

AS –NZS 2210

The wearing of enclosed footwear **should** be worn at all times during the mixing and spray application 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 mixing and spray application period

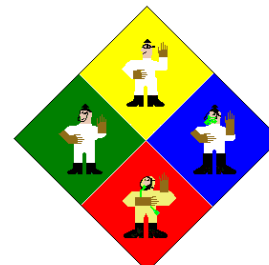
### *Hearing*

AS –NZS 1270

The wearing of hearing protection when applying by conventional spray is recommended during the spraying application period

### *Other Requirements*

Avoid contact with eyes and skin. Avoid inhaling spray mists and vapours.



## PHYSICAL – CHEMICAL PROPERTIES

### *Appearance*

A colourless liquid with a mild odour.

### *pH*

Not required.

### *Vapour Pressure*

Greater than 1.

(Butyl Acetate = 1)

### *Boiling Point °C*

79 – 165°C {literature value}

### *Density*

0.88 {calculated value}

### *Solubility in water*

Immiscible

### *Flash Point °C*

–1 °C {literature value}

### *Flammability Limits*

Lower Explosive Limit = 1.0%

Upper Explosive Limit = 11.5%

### *Auto Ignition °C*

315 °C {literature value}

### *Volatile Components*

Organic Solvents

## STABILITY and REACTIVITY

### *Chemical Stability*

Stable under normal conditions of use.

### *Hazardous*

Will not polymerize.

### *Polymerization*

### *Conditions to avoid*

Avoid contact heat and all ignition sources.

### *Incompatible materials*

Incompatible with strong oxidizing agents

### *Hazardous*

Stable.

### *decomposition products*

## TOXICOLOGICAL INFORMATION

### *Inhalation*

LC<sub>50</sub>

rat Organic Solvents > 20mg/Litre for 4 hours

### *Skin*

LD<sub>50</sub>

rabbit Organic Solvents > 400 mg/kilogram bodyweight/day

### *Ingestion*

LD<sub>50</sub>

rat Organic Solvents > 200 mg/kilogram bodyweight/day

### *Eyes*

Organic Solvents – irritant

### *Sensitization*

No Data for Organic Solvents – non sensitizer

**ECOLOGICAL INFORMATION**

**Environment** No data available

**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**

<b>UN number</b>	1263		
<b>Proper Shipping Name</b>	PAINT RELATED MATERIAL – THINNERS immiscible in water		
<b>Class</b>	3	<b>Subsidiary Risk</b>	Not Required
<b>Packing Group</b>	II		
<b>Emergency Procedures</b>	EP 3300	<b>Initial Emergency Response Guide</b>	14
<b>HAZCHEM</b>	3[Y]E		
<b>IMDG</b>			

**REGULATORY INFORMATION**

<b>Risk Phrases R</b>	65,66,67	Harmful. May cause lung damage if swallowed. Repeated exposure may cause skin dryness and cracking. Vapours may cause headaches, drowsiness and dizziness
	20/21/22	Harmful by inhalation, skin contact and if swallowed.
	36/37/38	Irritating to eyes, respiratory tract and skin.
	11	Highly Flammable
<b>Safety Phrases S</b>	7/9	Keep containers closed and in a well ventilated area when not in use.
	23.5	Avoid breathing vapours or spray mist.
	24/25	Avoid contact with skin and eyes.
	36/37/38/39	Wear recommended Personal Protective Equipment – protective clothing, gloves, boots, respirator and eye protection.
<b>SUSDP Classification</b>	The current product is labelled as Schedule 5 Poison.	

**OTHER INFORMATION**

**Emergency Contact** **Poisons Information Centre 13 11 26** **HiChem Paint Technologies (03) 9796 3400**

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