

HiChem Paint Technologies Pty.Ltd.

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**HAZARD IDENTIFICATION**

The product is classified as a **Hazardous Substance** in accordance to Work Safe Australia criteria.

Risk Phrases R

- Combustible Liquid.
- 20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
- 36/37/38 Irritating to the eyes, respiratory system and skin.
- 52/53 Harmful to aquatic organisms and may cause long term adverse effects in 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.
- 23.2 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 soap and plenty of water.
- 36/37/38/39 Wear protective clothing, including enclosed footwear, PVC or Neoprene gloves, organic vapour/particulate respirator including eye 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** Not Classified in accordance of the current edition of Australian Dangerous Goods
- Classification** Code.
- SUSDP** Classified as a Schedule S 6 poison.

IDENTIFICATION of the SUBSTANCE(S) and COMPOSITION

Product Name	THINNERS T310	Code	T 310
Product Use	A blend of organic solvents used for thinning recommended HICHEM products.		
Ingredients	Name	CAS Number	Proportion w/w
	Distillates (Petroleum) Hydrotreated Light	64742 – 47 – 8	30 – 60 %
	alpha Terpene Alcohol	8002 – 09 – 3	10 – <30.0 %
	Ethylene Glycol Mono Butyl Ether	111 – 76 – 2	10 – <30.0 %

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 swallow, 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 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 {CO ₂ }, 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	Combustible Liquid. Flash Point = 63 °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**

Combustible 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. Keep out of reach of children.

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 MAK**

Distillates (Petroleum) Hydrotreated Light = 1200 mg/m³.
Ethylene Glycol Mono Butyl Ether = 100 mg/m³.
alpha Terpene Alcohol = No data available

Exposure Standards STEL

There are no assigned values.

Biological Limited Values

There are no known Biological Limited Values have been assigned.

Engineering Controls

During application, ensured there is adequate ventilation at all times. All nearby equipment and electrical fittings are flame – proof.

PERSONAL PROTECTION**Inhalation AS –NZN 1715/16**

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

Eye AS –NZN 1337

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 –NZN 2161

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

Footwear AS –NZN 2210

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

Clothing AS –NZN 2919

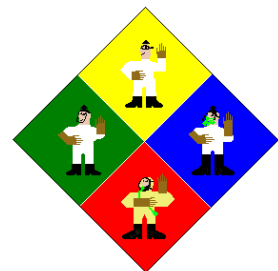
The wearing of anti–static clothing made on natural or synthetic high temperature fibre **should** be worn at all times during the handling and application period

Hearing AS –NZN 1270

Not Required.

Other Requirements

Avoid contact with eyes and skin. Avoid inhaling vapours at all times



PHYSICAL – CHEMICAL PROPERTIES

Appearance	A colourless liquid with a pine type odour.	
pH	Not required.	
Vapour Pressure (Butyl Acetate = 1)	Less than 1	
Boiling Point °C	170 – 200 °C (literature value)	
Density	0.85 (calculated value)	
Solubility in water	Immiscible	
Flash Point °C	63 °C (literature value)	
Flammability	Lower Explosive Limit = 0.6	Upper Explosive Limit = 10.3
Limits		
Auto Ignition °C	230 °C (literature value)	
Volatile Components	Liquid hydrocarbons, glycol 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	
Incompatible materials	Incompatible with strong oxidizing agents	
Hazardous Reactions	No known hazardous reactions.	

TOXICOLOGICAL INFORMATION

<i>Health Effects</i>	<i>Risk Phrase</i>	<i>Ethylene Glycol Mono Butyl Glycol</i>	<i>alpha Terpene Alcohol</i>	<i>Distillates (Petroleum) Hydrotreated Light</i>
Inhalation LC ₅₀ rat	20	20 mg/m ³ .	20 mg/m ³ .	20 mg/m ³ .
Dermal LD ₅₀ rabbit	21	220 mgm/kg	2000 mgm/kg	2000 mgm/kg
Oral LD ₅₀ rat	22	470 mgm/kg	3000 mgm/kg	2000 mgm/kg

Acute Oral Toxicity rat	Moderately toxic. Aspiration into lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.
Acute Dermal Toxicity rabbit	Moderately toxic.
Acute Inhalation Toxicity rat	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 and 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	No evidence of a carcinogenic effect
Mutagenic	Not mutagenic in animal studies.
Reproductive	No data available
Toxicity	

ECOLOGICAL INFORMATION

Environment	Harmful to aquatic organisms (R 52) May cause long – term adverse effects in the aquatic environment (R53).
Persistence/ Degradability	No data available.
Mobility	No data available
Environment	Not Known
Protection	

**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	Not Required.		
Proper Shipping Name	Non – Dangerous Goods		
Class	Not Required	Subsidiary Risk	Not Required
Packing Group	Not Required	Initial Emergency Response Guide	36
Emergency Procedures	EP 3395		
HAZCHEM	Not Required		
IMDG	Not Known		



REGULATORY INFORMATION**Regulatory
Information and
Hazard Category
SUSDP
Classification**

The product is classified as a Hazardous Substance in accordance to Work Safe Australia as Harmful and Irritant.

Classified as a Schedule S 6 Poison.

OTHER INFORMATION**Emergency
Contact
Disclaimer**

Poisons Information Centre 13 11 26

HiChem Paint Technologies
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