

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:msdsinfo@hichem.com.au

www:hichem.com.au

**HAZARD IDENTIFICATION**

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

Risk Phrases R

- 10 Flammable 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.
 40 Limited evidence of a carcinogenic effect.
 52/53/59 Harmful to aquatic organisms and may cause long term adverse effects in the aquatic environment. Danger to the ozone layer.
 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.
 23.5 Do not breathe the vapours and spray mists.
 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 Classification Classified as a Australian Dangerous Goods as PAINT RELATED MATERIAL – THINNERS, immiscible in water, UN 1263, Class 3, HAZCHEM 3[Y], Packing Group III.

SUSDP Classified as a Schedule S 5 poison.

IDENTIFICATION of the SUBSTANCE(S) and COMPOSITION

Product Name 2 PACK THINNER SH054

Code SH054

Product Use A blend of organic solvents use as a thinner for 2 Pack automotive paints prior to application.

Ingredients	Name	CAS Number	Proportion w/w
	Aliphatic Esters	Mixture	30 – 60 %
	Xylene	1330 – 20 – 7	10 – < 30 %
	Ethyl Benzene	100 – 41 – 4	1.0 – < 10 %
	Solvent Naphtha (Petroleum) Light Aromatic	64742 – 95 – 6	10 – < 30 %

FIRST AID MEASURES

<i>Inhalation</i>	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.
<i>Ingestion</i>	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.
<i>Eyes</i>	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.
<i>Skin and Hair</i>	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.
<i>First Aid Facilities</i>	Clean Water Supply, soap or skin cleaner, barrier cream, emergency showers and eye wash stations.
<i>Advice to Doctor</i>	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**

<i>Extinguishing Media and Requirements</i>	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.
<i>Hazardous Decomposition Products</i>	On heating, containers may rupture and explode: contents may burn rapidly forming toxic gases including carbon monoxide, soot and smoke, above the boiling point
<i>Flammability</i>	Flammable Liquid. Flash Point =27 °C
<i>Specific Hazards</i>	Vapours may form explosive/air mixtures.
<i>Precautions in connection with Fire</i>	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**

<i>Emergency Procedures. Spills and Leaks</i>	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.
<i>Disposal</i>	Collect all residues into labelled and sealed containers for disposal via special waste collection services as per local Statutory Authority requirements.
<i>Other Precautions</i>	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. 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**

Xylene = 350 mg/m³. Ethyl Benzene = 440 mg/m³.
Solvent Naphtha (Petroleum) Light Aromatic = 100 mg/m³.
Aliphatic Esters (mixture) = Not Known

Exposure Standards STEL

Xylene = 655 mg/m³.

Biological Limited Values

There are no known Biological Limited Values have been assigned.

Engineering Controls

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

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

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

Eye AS –NZS 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 –NZS 2161

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

Footwear AS –NZS 2210

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

Clothing AS –NZS 2919

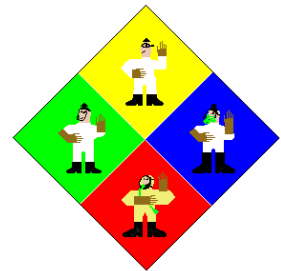
The wearing of anti–static clothing made on natural or synthetic high temperature fibre **should** be worn at all times during the handling and application period

Hearing AS –NZS 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 strong odour.	
pH	Not required.	
Vapour Pressure (Butyl Acetate = 1)	Less than 1	
Boiling Point °C	127 – 150 °C (literature value)	
Density	0.89 (calculated value)	
Solubility in water	Immiscible	
Flash Point °C	27 °C (literature value)	
Flammability	Lower Explosive Limit = 1.0	Upper Explosive Limit = 10.9
Limits		
Auto Ignition °C	250 °C (literature value)	
Volatile	Liquid hydrocarbons, aliphatic esters.	
Components		

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

Health Effects	Risk Phrase	Aliphatic Esters	Ethyl Benzene	Xylene	Solvent Naphtha (Petroleum) Light Aromatic
Inhalation LC ₅₀ rat	20	20 mg/L.	20 mg/L.	20 mg/L.	20 mg/L.
Dermal LD ₅₀ rabbit	21	2000 mgm/kg	2000 mgm/kg	4500 mgm/kg	2000 mgm/kg
Oral LD ₅₀ rat	22	2000 mgm/kg	2000 mgm/kg	4300 mgm/kg	2000 mgm/kg
Acute Oral Toxicity rat	Low 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 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	Limited 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). Danger to the ozone layer (R59).
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, immiscible in water		
Class	3	Subsidiary Risk	Not Required
Packing Group	III	Initial Emergency Response Guide	15
Emergency Procedures	EP 3305		
HAZCHEM	3[Y]		
IMDG	Not Known		



REGULATORY INFORMATION

Regulatory Information and Hazard Category	The product is classified as a Hazardous Substance in accordance to Work Safe Australia as Harmful and Irritant.
SUSDP Classification	Classified as a Schedule S 5 Poison.

OTHER INFORMATION

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

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