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**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.
 41 Risk of serious damage to eyes.
 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 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 Classified as a Australian Dangerous Goods as PAINT RELATED MATERIAL –
Classification 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	REDUCER 297		Code
Product Use	A blend of organic solvents is used as a reducer for HICHEM products prior to application.		
Ingredients	Name	CAS Number	Proportion w/w
	n Butyl Alcohol	71 – 36 – 3	30 – 60 %
	Xylene	1330 – 20 – 7	30 – 60 %
	Ethyl Benzene	100 – 41 – 4	1.0 – < 10 %

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**

n Butyl Alcohol = 150 mg/m³.

Xylene = 350 mg/m³.

Standards MAK

Ethyl Benzene = 440 mg/m³.

Exposure

Xylene = 655 mg/m³.

n Butyl Alcohol = 310 mg/m³.

Standards STEL**Biological**

There are no known Biological Limited Values have been assigned.

Limited Values**Engineering**

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

Controls**PERSONAL PROTECTION****Inhalation**

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

AS –NZS**1715/16****Eye**

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

AS –NZS 1337**Gloves**

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

AS –NZS 2161**Footwear**

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

AS –NZS 2210**Clothing**

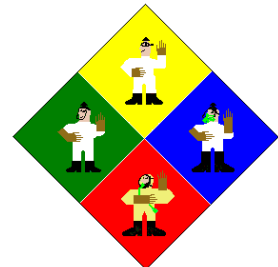
The wearing of anti–static clothing made on natural or synthetic high temperature fibre **should** be worn at all times during the handling and application period

AS –NZS 2919**Hearing**

Not Required.

AS –NZS 1270**Other**

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

Requirements

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	117 – 145 °C (literature value)	
Density	0.84 (calculated value)	
Solubility in water	Immiscible	
Flash Point °C	27 °C (literature value)	
Flammability	Lower Explosive Limit = 1.0	Upper Explosive Limit = 11.4
Limits		
Auto Ignition °C	340 °C (literature value)	
Volatile Components	Liquid hydrocarbons, aliphatic alcohols	

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>Xylene</i>	<i>n Butyl Alcohol</i>	<i>Ethyl Benzene</i>
Inhalation	20	20 mg/m ³ .	20 mg/m ³ .	20 mg/m ³ .
LC ₅₀ rat				
Dermal	21	4500	3400	2000
LD ₅₀ rabbit		mgm/kg	mgm/kg.	mgm/kg
Oral	22	4300	790	2000
LD ₅₀ rat		mgm/kg	mgm/kg.	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 cause serious damage 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 HAZCHEM	EP 3305		
IMDG	3[Y]		
	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, Serious Eye Damage and Irritant.

Classified as a Schedule S 5 Poison.

OTHER INFORMATION**Emergency
Contact
Disclaimer**

Poisons Information Centre 13 11 26

HiChem Paint Technologies
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