

HiChem Paint Technologies Pty.Ltd.

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Email: msdsinfo@hichem.com.au[www:hichem.com.au](http://www.hichem.com.au)**HAZARD IDENTIFICATION**

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

Risk Phrases R

- 11 Highly Flammable Liquid.
 21/22 Harmful in contact with skin and if swallowed.
 36/37/38 Irritating to the eyes, respiratory system and skin.
 48/20 Harmful; danger of serious damage to health by prolonged exposure through inhalation.
 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.
 23.5 Do not breathe the vapours or spray mist
 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, and hearing 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 PAINT – immiscible in water, UN 1263, HAZCHEM 3[Y]E, Class 3,**Classification** Packing Group II, Initial Emergency Response Guide 14.**SUSDP** Classified as a Schedule S 5 poison.**IDENTIFICATION of the SUBSTANCE(S) and COMPOSITION**

Product Name	INDUSTRIAL ETCH PRIMER	Code	CC
Product Use	An air drying, solvent based, etch primer applied by spray for the painting of metal surfaces prior overcoating with conventional industrial coatings.		
Ingredients	Name	CAS Number	Proportion w/w
	Toluene	108 – 88 – 3	10 – <30.0 %
	Ethyl Alcohol	64 – 17 – 5	10 – <30.0 %
	Iso Propyl Alcohol	67 – 63 – 0	30 – 60 %
	Coloured Pigments/Extenders (Non – Hazardous)	Mixture	10 – <30.0 %
	Polymeric Synthetic Resins (Non – Hazardous)	Proprietary	1.0 – <10.0 %
	Additives (Non – Hazardous)	Mixture	1.0 – <10.0 %

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>	Highly Flammable Liquid. Flash Point = 4 °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**

Highly 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.

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 Exposure Standards STEL Biological Limited Values Engineering Controls

Iso Propyl Alcohol = 500 mg/m³. Toluene = 190 mg/m³.
Ethyl Alcohol = 960 mg/m³.
Toluene = 565 mg/m³.

There are no known Biological Limited Values have been assigned.

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 Eye AS -NZS 1337

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

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 Footwear AS -NZS 2210

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

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

Clothing AS -NZS 2919

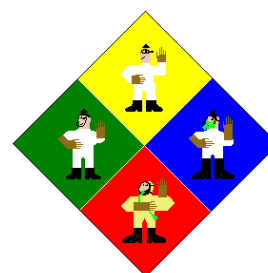
The wearing of anti-static clothing made on natural or synthetic high temperature fibre **should** be worn at all times during the handling and application period

Hearing AS -NZS 1270

The wearing of hearing protection when applying by conventional spray **should** be worn during the 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	
Boiling Point °C	78 – 120 °C (literature value)	
Density	0.9 (calculated value)	
Solubility in water	Immiscible	
Flash Point °C	4 °C (literature value)	
Flammability Limits	Lower Explosive Limit = 1.0	Upper Explosive Limit = 15.0
Auto Ignition °C	370 °C (literature value)	
Volatile Components	Liquid hydrocarbons, 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	Will not polymerize since the product is supplied as a polymeric coating.

TOXICOLOGICAL INFORMATION

<i>Health Effects</i>	<i>Risk Phrase</i>	<i>Ethyl Alcohol</i>	<i>Toluene</i>	<i>Iso Propyl Alcohol</i>
Inhalation LC ₅₀ rat	20	20 mg/m ³ .	20 mg/m ³ .	20 mg/m ³ .
Dermal LD ₅₀ rabbit	21	20000 mgm/kg	12100 mgm/kg	12800 mgm/kg
Oral LD ₅₀ rat	22	6200 mgm/kg	640 mgm/kg	5050 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	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	1263		
Proper Shipping Name	PAINT		
Class	3	Subsidiary Risk	Not Required
Packing Group	II	Initial Emergency Response Guide	14
Emergency Procedures	EP 3300		
HAZCHEM	3[Y]E		
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 5 Poison.

OTHER INFORMATION**Emergency
Contact
Disclaimer**

Poisons Information Centre 13 11 26

HiChem Paint Technologies
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