

Hi Chem Paint Technologies Pty.Ltd.

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Email: msdsinfo@hichem.com.auwww.hichem.com.au**HAZARD IDENTIFICATION**

The product is classified as Hazardous Substance in accordance with Safe Work Australia – Hazardous Substances Information System {HSIS 2013} AUSTRALIA, Global Harmonised System {GHS} and Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

GHS HAZARD STATEMENTS

H 225	Category 2	Highly Flammable Liquid and Vapour
H 303	Category 5	May be harmful if swallowed.
H 313	Category 5	May be harmful in contact with the skin.
H 316	Category 5	May cause skin irritation
AUH 066		Repeated exposure may cause skin dryness or cracking.
H 318	Category 2	Causes serious eye damage
H 332	Category 4	Harmful if inhaled
H 336	Category 3	Vapours may cause dizziness and drowsiness
H 413	Category 4	May cause long lasting harmful effects to the aquatic environment.

PRECAUTIONARY REQUIREMENTS

General Precautionary Prevention	P 102/3	Keep out of reach of children and read label before use.
	P 233/4	Keep in the original container and tightly closed when not in use. Keep away from moisture at all times.
	P 261	Avoid skin, inhalation and eye contact during the application period.
	P 270	No smoking, eating or drinking.
	P 271	Use in a well ventilated area away from all electrical or sparking equipment.
	P 273	Avoid release to environment.
	P 280	Wear hair and face protection, organic vapour respirator, safety glasses fitted with side shields, gloves and protective clothing during handling and application period at all times
	P 301	If swallowed, rinse the mouth with water immediately. Do not induce vomiting. Seek medical advice.
	P 303	If on skin, face or hair, wash immediately with soap and plenty of water. If irritation occurs, seek medical advice.
	P 304/ P 340	If inhaled, remove oneself to fresh air and keep warm. Rest in a comfortable position away from the contaminated area. Seek medical advice if required.
Response	P 305/ P 338	If in eyes, rinse with plenty of water and removed contact lens if worn immediately. Seek urgent medical advice if burning occurs.
	P 362	Wash contaminated clothing and wash before re-use.
	P 381	Eliminate all ignition sources and turn off electricity.
	P 403	Store in a well ventilated area away from moisture
Disposal	P 501	Dispose carefully unused contents and container(s) to an approved waste disposal plant. Classified as PAINT, Class 3 UN 1263, Packing Group II,HAZCHEM 3[Y]E

Product Usage. *HICHEM 1K PRIMER* is a chromate free corrosion protection primer that has outstanding adhesion properties. Specifically designed for repair panel shops use as 2 Pack compatible for new parts (over black OEM primer). May be used as a etch primer surface for the painting on various metal surfaces e.g. steel, galvanised iron and aluminium. May be overcoated with both air dry and 2 Pack Finishes. For further information, contact HICHEM helpdesk on (03) 9796 3034.

IDENTIFICATION of the SUBSTANCE(S) and COMPOSITION

<i>Product Name</i>	1K Primer	<i>Code</i>	1KP
<i>Name</i>	<i>CAS Number</i>	<i>Proportion w/w</i>	
Iso Propyl Alcohol	67 – 63 – 0	30 – <60.0 %	
n Butyl Alcohol	71 – 36 – 3	10 – <30.0 %	
Propylene Glycol Mono Methyl Ether	107 – 98 – 2	10 – <30.0 %	
Proprietary Polymeric Synthetic Resins	Not Known	10 – <30.0 %	
Ortho Phosphoric Acid	Mixture	0.1 – <1.0 %	

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**Extinguishing Media and Requirements Hazardous Decomposition Products Flammability Specific Hazards Precautions in connection with Fire**

Carbon Dioxide {CO₂}, 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. On heating, containers may rupture and explode: contents may burn rapidly forming toxic gases including carbon monoxide, soot and smoke, above the boiling point
Highly Flammable Liquid. Flash Point = 12 °C
Vapours may form explosive/air mixtures.
Fire – fighters should wear Chemical Splash Suit with attached Self – Contained Breathing Apparatus incorporating an Organic Vapour Respirator 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**

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.

EXPOSURE CONTROLS for 8 hours**Exposure Standards MAK**

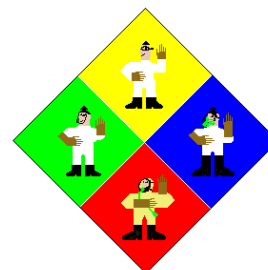
Iso Propyl Alcohol = 983 mg/m³
Phosphoric Acid = Not Known
Propylene Glycol Mono Methyl Ether = 370 mg/m³
n Butyl Alcohol = 435 mg/m³

Biological Limited Values

There are no known Biological Limited Values have been assigned.

PERSONAL PROTECTION

Inhalation	The wearing of Organic Vapour – Particulate Respirator must be worn at all times during the handling and spraying 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 spraying 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 spraying period.
AS –NZS 2161	
Footwear	The wearing of enclosed footwear should be worn at all times during the handling and spraying 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 spraying application period.
AS –NZS 2919	
Hearing	When applied by conventional spray, the wearing of hearing equipment should be worn at all times.
AS –NZS 1270	
Other Requirements	Avoid contact with eyes and skin. Avoid inhaling vapours.

**PHYSICAL – CHEMICAL PROPERTIES**

Appearance	A coloured liquid with a mild odour.	
pH	Not required.	
Vapour Pressure	Greater than 1	
<i>(Butyl Acetate = 1)</i>		
Boiling Point °C	111 – 166 °C	
Density	1.08 {calculated value}	
Solubility in water	Miscible	
Flash Point °C	12 °C (literature value)	
Flammability	Lower Explosive Limit = 1.2	Upper Explosive Limit = 12.7
Limits		
Auto Ignition °C	370 °C (literature value)	
Volatile Organic Compounds VOC	82 % volume/volume	
Volatile Components	Alcohols, 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, soot and smoke.
Incompatible materials	Incompatible with strong oxidizing agents
Hazardous Reactions	Will not polymerize.

TOXICOLOGICAL INFORMATION

Ingredient	Inhalation LC₅₀ (rat)	Dermal LD₅₀ (rabbit)	Oral LD₅₀(rat)
Iso Propyl Alcohol	20 mgm/Litre	12800 mgm/kgm	5050 mgm/kgm
n Butyl Alcohol	20 mgm/Litre	34000 mgm/kgm	790 mgm/kgm
Propylene Glycol Mono Ethyl Ether	20 mgm/Litre	11000 mgm/kgm	3500 mgm/kgm

Acute Oral Toxicity	Moderate toxicity. Aspiration into lungs when swallowed or vomited may cause chemical pneumonitis which may be fatal.		
Acute Dermal Toxicity	Low toxicity.		
Acute Inhalation Toxicity	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 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. May be harmful causing lung damage if swallowed.
Eyes	If in eyes, may cause other symptoms 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	Not carcinogenic in animal studies
Mutagenic	Not mutagenic in animal studies.
Reproductive Toxicity	No data available

ECOLOGICAL INFORMATION

Environment	May cause long lasting harmful effects to the aquatic environment.
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, – immiscible in water		
Class	3	Subsidiary Risk	Not Required
Packing Group	II		
Emergency Procedures	EP 3300	Initial Emergency Response Guide	14
HAZCHEM	3[<input checked="" type="checkbox"/>]E		
IMDG	Not Known		

**REGULATORY INFORMATION**

Regulatory Information and Hazard Category	The product is classified as Hazardous Substance in accordance to SAFE WORK AUSTRALIA {HSIS} and Globally Harmonised System as Harmful and Irritant.
SUSMP 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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