

HiChem Paint Technologies Pty.Ltd.

A.B.N. 95 064 139 653
 73 Hallam South Road, HALLAM, VICTORIA 3803.
 Telephone : {03} 9796 3400 Facsimile : {03} 9796 4500
 Email:msdsinfo@hichem.com.au www:hichem.com.au

**IDENTIFICATION of the SUBSTANCE(S) and COMPOSITION**

Product Name	1K PRIMER	Code	1KP
Product Use	When applied by spray is used for the painting of automotive surfaces.		
Ingredients	Name	CAS Number	Proportion w/w
	Iso Propyl Alcohol	67 – 63 – 0	30 – 60 %
	n Butyl Alcohol	71 – 36 – 3	10 – <30 %
	Coloured Pigments/Extenders (Non-Hazardous)	Mixture	10 – <30 %
	Polymeric Polyacrylated Resin (Non-Hazardous)	Not Known	10 – <30 %
	Additives (Non-Hazardous)	Mixture	1 – < 10%

HAZARD IDENTIFICATION

The product is classified both as Hazardous Substance and Dangerous Goods according to ASCC

Risk Phrases R

- 11 Highly Flammable Liquid
 20/21/22 Harmful by inhalation, skin contact and if swallowed.
 36/38 Irritating to the eyes and skin.
 52/53 Harmful to aquatic systems 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 Keep away from heat.
 16/33 Keep away from sources of ignition. Take precautionary measures against static electricity.
 20/21 When using, do not eat, drink or smoke.
 23.2 Do not breathe 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 knee high boots, elbow length gloves, an 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 Classification PAINT – immiscible in water, UN 1263, Class 3, HAZCHEM 3[Y]E,
 Packing Group II

SUSDP Classified as a Schedule S 5 poison.

FIRST AID MEASURES

Inhalation	If the applicator feels drowsy, dizzy, tired or experiencing headaches, remove the victim to the fresh air. Keep the victim warm and quiet until all symptoms subside.
Ingestion	If swallowed, and only if the person is conscious, give water to drink. If any systems occur, clean DO NOT induce vomiting; seek URGENT medical attention if frothing from the mouth occurs.
Eyes	If splashed into eyes, hold eyes open, irrigate copiously with clean water for at least 15 minutes. Seek immediate medical attention if any irritation occurs.
Skin	If skin contact occurs, remove contaminated clothing, and wash thoroughly with soap and plenty of water. Seek medical attention if any irritation occurs.
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.

**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 and drains.
Fire Fighting Procedures & Precautions	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 containers and equipment from the direction of the fire, if safe to do so. Keep upwind.
Flammability	Highly Flammable Liquid. Flash Point = 17 °C
Hazardous Decomposition Products	On heating, containers may rupture and explode: contents may burn rapidly forming toxic gases including carbon monoxide. .

**ACCIDENTAL RELEASE MEASURES**

Spills and Leaks	Contain all spills and leaks. Avoid contamination with spilt material on surfaces. 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	Avoid contaminating waterways, drains, water courses and sewage.



HANDLING and STORAGE**Handling**

Keep out of reach of children. Avoid unnecessary contact with the material. After use before eating, drinking or smoking wash all exposed skin with soap and water.

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**

Iso Propyl Alcohol = 983 mg/m³.TWA n Butyl Alcohol = 152 mg/m³.TWA

Standards TWA**Exposure**

Iso Propyl Alcohol = 1230 mg/m³.STEL

Standards STEL**Engineering**

Use mechanical exhaust ventilation system that is both flame and explosion proof electrical fittings during the application period at all times. Do not use in a confined space.

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

An Organic Vapour – Particulate Respirator **should** be worn at all times during the application period.

AS –NZS**1715/16****Eye**

Safety glasses fitted with side shields or faceshield **should** be worn at all times during the application period. Do not wear contact lenses.

AS –NZS 1337**Gloves**

Viton or PVC gloves **should** be worn at all times during the application period..

AS –NZS 2161**Footwear**

Enclosed footwear **should** be worn at all times during the application period.

AS –NZS 2210**Clothing**

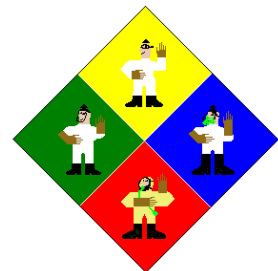
Anti-static clothing made on natural or synthetic high temperature fibre **should** be worn at all times during the application period.

AS –NZS 2919**Hearing**

Hearing protection **should** be worn at all times during the application period.

AS –NZS 1270**Other**

Avoid contact with eyes and skin. Avoid inhaling the spray mists and vapours.

Requirements

PHYSICAL – CHEMICAL PROPERTIES

Appearance	A coloured liquid with a strong odour.	
pH	Not required.	
Vapour Pressure (Butyl Acetate = 1)	Greater than 1.0	
Boiling Point °C	78 – 150 °C {literature value}	
Density	1.06 {calculated value}	
Solubility in water	Immiscible	
Flash Point °C	17 °C {literature value}	
Flammability Limits	Lower Explosive Limit = 1.0 %	Upper Explosive Limit = 11.4 %
Auto Ignition °C	450 °C {literature value}	
Volatile Components	iso Propyl and n Butyl 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.

TOXICOLOGICAL INFORMATION

<i>Health Effects</i>	<i>Risk Phrase</i>	<i>Iso Propyl Alcohol</i>	<i>n Butyl Alcohol</i>
Inhalation LC ₅₀ rat 4 hours	20	> 20 milligram/Litre	> 20 milligram/Litre
Dermal LD ₅₀ rabbit	21	12500 milligram/kilogram	3400 milligram/kilogram
Oral LD ₅₀ rat	22	5050 milligram/kilogram	790 milligram/kilogram

Note

Risk Phrases – R20 (harmful by inhalation), R21 (Harmful by skin contact) and R22 (harmful if swallowed) has been assigned by the EEC Council Directive 67/548/EEC.

Acute Oral Toxicity (n Butyl Alcohol) rat	Moderately toxic. Aspiration into lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.
Acute Dermal Toxicity (n Butyl Alcohol) rabbit	Low toxicity
Acute Inhalation Toxicity (n Butyl Alcohol) rat	Low toxicity.

TOXICOLOGICAL INFORMATION (CONTINUED)**Health Effects**

Inhalation	Other symptoms may cause central nervous system depression resulting in headaches, dizziness, nausea, loss of co-ordination, impaired judgement and drunkenness Chronic exposure may result in adverse effects on the liver.
Ingestion	May cause irritation to mucous membranes. May cause inflammation of the lung by breathing in the vomit.
Eyes	Irritating to the eyes, including burning sensitisation, redness, swelling and/or blurred vision.
Skin	In contact with the skin may result in contact dermatitis.
Carcinogenicity	Not carcinogenic in animal studies
Mutagenicity	Not mutagenic in animal studies No foetotoxicity data in animals. Does not impair fertility.

ECOLOGICAL INFORMATION

Environment	Harmful to aquatic environment (R52). May cause long – term adverse effects in the aquatic environment (R53).
--------------------	--

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 or spent containers. Crush all small empty containers. Larger containers and drums may be sent to an approved drum recycler. Ensure all contents do not pollute waterways, drains and other water courses.

TRANSPORT INFORMATION

UN number	1263		
Proper Shipping Name	PAINT – immiscible in water.		
Class	3	Subsidiary Risk	Not Required
Packing Group	II	Initial Emergency Response Guide	14
Emergency Procedures	3300		
HAZCHEM	3 Y E		
IMDG			

**REGULATORY INFORMATION**

SUSDP	Classified as a Schedule S 5 poison.
--------------	--------------------------------------

OTHER INFORMATION

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

Data provided is to best of HiChem Paint Technologies Proprietary Limited knowledge and believe to be accurate and reliable as of the date of issued. However no expressed or implied warranties are given. HiChem Paint Technologies Proprietary Limited cannot anticipate or control the conditions under which this information may be used. Therefore, it is user's responsibility to satisfy themselves as to the suitability and completeness of such information for their particular use. It is the responsibility of the user to ensure that the issue is current. This information given is a non-controlled document