

HiChem Paint Technologies Pty.Ltd.

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

Product Name	2 PACK RED PRIMER	Code	2PRP
Product Use	When mixed with Isocyanate Hardener 41 in the recommended ratios, applied by spray for the painting of automotive surfaces		
Ingredients	Name	CAS Number	Proportion w/w
	Xylene	1330 – 20 – 7	10 – <30 %
	Butyl Acetate	123 – 86 - 4	10 – <30 %
	Crystalline Silicon Dioxide (as quartz)	14807 – 96 – 6	0.1 – <1.0 %
	Polymeric Acrylic Resin (Non – Hazardous)	Proprietary	10 – <30 %
	Additives (Non – Hazardous)	Mixture	1 – <10 %

HAZARD IDENTIFICATION

The product is classified both as **Hazardous Substance** and **Dangerous Goods** in accordance to ASCC

Risk Phrases R

- 10 Flammable Liquid
 21/22 Harmful in contact with the skin and if swallowed.
 36/38 Irritating to the eyes and skin.
 42/43 May cause sensitization by inhalation and skin contact.
 48/20, 49 Harmful: danger of serious damage to health by prolonged exposure through inhalation. May cause cancer by inhalation.
 51/53 Toxic to aquatic organisms and may cause long term adverse effects in the aquatic environment.
 63 Possible risk of harm of unborn child.
 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.
 23.5 Do not breathe 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 Wearing of Positive Pressure Air Supplied Full Face Respirator, Safety Glasses fitted side – shields, elbow length Viton or PVC gloves, enclosed footwear (knee high), high temperature, anti – static clothing from neck to knee and hearing protection at all times.
 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], Packing Group III

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 swallow, 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. Treat symptomatically as systems may be delayed for several hours after exposure.



FIRE FIGHTING MEASURES

Extinguishing Media and Requirements 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 and drains.

Fire Fighting Procedures & Precautions Fire – fighters **must** 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 Flammable Liquid. Flash Point = 23 °C

Hazardous Decomposition Products On heating, containers may rupture and explode: contents may burn rapidly forming toxic gases including carbon monoxide, cyanides and oxides of nitrogen. .



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**

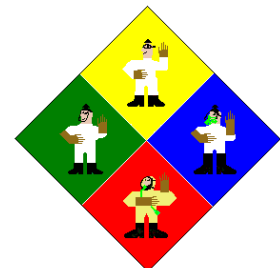
Handling	Keep out of reach of children. Avoid unnecessary contact with the material. After use before eating, drinking or smoking wash all exposed skin with soap and water.
Storage	Containers must be clearly labelled, rigid and strong. Store upright in a cool, dry, well ventilated area from heat, ignition sources and direct sunlight e.g. Flammable Goods Store as per AS 1940 requirements.

EXPOSURE CONTROLS

Exposure Standards MAK	Xylene = 350 mg/m ³ .	Crystalline Silicon Dioxide = 0.1 mg/m ³ .
Exposure Standards STEL	Butyl Acetate = 480 mg/m ³ .	
Engineering Controls	Xylene = 655 mg/m ³ .	
	When mixing and spraying of both 2 Pack products including the recommended Isocyanate hardeners must be performed out in an approved spray booth in accordance with Australian Standards.	

PERSONAL PROTECTION

Inhalation AS –NZS 1715/16	The wearing of Positive Pressure Air Supplied Full Face Respirator must be worn at all times during the mixing and spraying application at all times; until all spray mists are efficiently dispersed from the spray booth atmosphere before exiting.
Eye AS –NZS 1337	The wearing of safety glasses fitted with side shields must be worn at all times during the mixing and spray application period. Do not wear contact lenses.
Gloves AS –NZS 2161	The wearing of Viton or PVC elbow length gloves must be worn at all times during the mixing and spray application period..
Footwear AS –NZS 2210	The wearing of enclosed knee - high footwear must be worn at all times during the mixing and application period.
Clothing AS –NZS 2919	The wearing of anti–static clothing made on natural or synthetic high temperature fibre must be worn at all times during the mixing and spray application period.
Hearing AS –NZS 1270	The wearing of hearing protection must be worn at all times during the spray application period.
Other Requirements	Avoid contact with eyes and skin. Avoid inhaling vapours and spray mists at all times.



PHYSICAL – CHEMICAL PROPERTIES

Appearance	A red coloured liquid with a mild odour.	
pH	Not required.	
Vapour Pressure (Butyl Acetate = 1)	Equal to 1.0	
Boiling Point °C	77 – 150 °C {literature value}	
Density	1.3 {calculated value}	
Solubility in water	Immiscible	
Flash Point °C	23 °C {literature value}	
Flammability Limits	Lower Explosive Limit = 1.0 %	Upper Explosive Limit = 11.5%
Auto Ignition °C	315 °C {literature value}	
Volatile Components	Butyl Acetate and as organic solvents	

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, cyanides and oxides and nitrogen.
Incompatible materials	Incompatible with strong oxidizing agents
Hazardous Reactions	Will not polymerize.

TOXICOLOGICAL INFORMATION

<i>Health Effects</i>	<i>Risk Phrase</i>	<i>Xylene</i>	<i>Propylene Glycol Mono Methyl Ether</i>
Inhalation LC ₅₀ rat	20	>20 mgm/L	> 20mgm/L
Dermal LD ₅₀ rabbit	21	4500 mgm/kg	> 7500 mgm/kg
Oral LD ₅₀ rat	22	4300 mgm/kg	> 10000 mgm/kg

Note

Risk phrases R20/21/22 has been assigned by the EEC Council Directive 67/548/EEC.

Risk Phrases R20/21/22 – Harmful by inhalation, skin contact or if swallowed.

Acute Oral Toxicity (Toluene) 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, nausea, loss of co-ordination and impaired judgement: continued inhalation may result in unconsciousness and/or death.

TOXICOLOGICAL INFORMATION (CONTINUED)

Health Effects

Inhalation When Part A (paint) and Part B (Isocyanate hardener) are mixed together and applied by spray; may cause acute irritation and sensitization to the respiratory system leading to an asthmatic condition including wheeziness and tightness of the chest. When these sensitized people may subsequently show the asthmatic symptoms when exposed to atmospheric concentrations well below the Occupational Exposure Limit. Repeated or prolonged exposure may lead to permanent disability. Other symptoms may cause dizziness, nausea, coughing, asthma, lack of co-ordination and impair judgement.

Ingestion Large quantities may cause nausea and vomiting.

Eyes Irritating to the eyes, including burning sensation, redness, swelling and/or blurred vision.

Skin Will have degreasing effect on the skin may result in contact dermatitis.

Carcinogenicity Harmful: danger of serious damage to health by prolonged exposure through inhalation. May cause cancer by inhalation.

Mutagenicity Not mutagenic in animal studies
Causes foetotoxicity in animals at doses which are maternally toxic. Does not impair fertility.

ECOLOGICAL INFORMATION

Environment Toxic to aquatic organisms (R51).
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	III		
Emergency Procedures	3305	Initial Emergency Response Guide	15
HAZCHEM	3		
IMDG			



REGULATORY INFORMATION

SUSDP Classified as a Schedule S 5 poison.

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

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