

HiChem Paint Technologies Pty.Ltd.

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

Risk Phrases R

- 12 Extremely Flammable Gas
 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.
 52/53/59 Harmful to aquatic organisms and may cause long term adverse effects in the aquatic environment. Dangerous for 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.
 15/16/33 Keep away from heat and sources of ignition. Take precautionary measures against static electricity.
 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
 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 AEROSOLS – with a capacity less than 1 Litre, UN 1950, HAZCHEM 2 Y, Class 9,

Classification Initial Emergency Response Guide 49.

SUSDP Classified as a Schedule S 5 poison.

IDENTIFICATION of the SUBSTANCE(S) and COMPOSITION

Product Name	AEROSOL VINYL SPRAY – COLOUR RANGE	Code	VS 400
Product Use	An aerosol spray used for “touch – up” or priming of small ferrous metal areas.		
Ingredients	Name	CAS Number	Proportion w/w
	Di Methyl Ether	115 – 10 – 6	30 – 60 %
	Toluene	108 – 88 – 3	10 – <30.0 %
	Ethyl Benzene	100 – 41 – 4	1.0 – <10.0 %
	Methyl Ethyl Ketone	78 – 93 -3	10 – <30.0 %
	Methyl Iso Butyl Ketone	108 – 10 – 1	10 – <30.0 %
	Aliphatic Esters	Mixture	1.0 – <10.0 %
	Coloured Pigments/Extenders (Non – Hazardous)	Mixture	10 – <30.0 %
	Polymeric Synthetic Resin (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>	Unlikely route of exposure. 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.



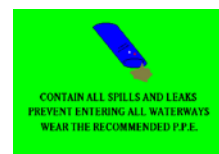
FIRE FIGHTING MEASURES

<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 Gas. Flash Point = <- 25 °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

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

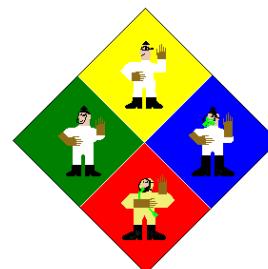
Precautions for Safe Handling	Highly Flammable Gas. Remove all sources of ignition. Wear the recommended Personal Protective Equipment including organic vapour respirator, eye/face protection, protective clothing, gloves and enclosed footwear. Ensure there is adequate ventilation at all times. After 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	Methyl Iso Butyl Ketone = 83 mg/m ³ . Toluene = 190 mg/m ³ . Mixture of Aliphatic Esters = Not Known	Ethyl Benzene = 100 mg/m ³ . Methyl Ethyl Ketone = 600 mg/m ³ .
Exposure Standards STEL	Toluene = 565 mg/m ³ .	
Biological Limited Values	There are no known Biological Limited Values have been assigned.	
Engineering Controls	The use of local exhaust ventilation equipment is required. All ventilation equipment must be fitted with flame and explosion proof electrical fittings. Do not use in a confined area.	

PERSONAL PROTECTION

Inhalation AS –NZS 1715/16	The wearing of Organic Vapour/Particulate Respirator should be worn at all times during the handling and application period.
Eye AS –NZS 1337	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	The wearing of Neoprene or PVC gloves should be worn at all times during the handling and application period.
Footwear AS –NZS 2210	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 gas with a strong odour.	
pH	Not required.	
Vapour Pressure (Butyl Acetate = 1)	Greater than 1	
Boiling Point °C	<0 – 145 °C (literature value)	
Density	0.77 (calculated value)	
Solubility in water	Immiscible	
Flash Point °C	< - 25 °C (literature value)	
Flammability Limits	Lower Explosive Limit = 1.0	Upper Explosive Limit = 13.0
Auto Ignition °C	250 °C (literature value)	
Volatile Components	Di Methyl Ether, Liquid Hydrocarbons, Aliphatic Esters and Ketones.	

STABILITY and REACTIVITY

Chemical Stability	Stable under normal conditions of use.
Conditions to avoid	Avoid contact with heat, all ignition sources and static electricity
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>Toluene</i>	<i>Ethyl Benzene</i>	<i>Aliphatic Esters</i>	<i>Methyl Iso Butyl Ketone</i>	<i>Methyl Ethyl Ketone</i>
Inhalation LC ₅₀ rat	20	20 mg/m ³ .	20 mg/m ³ .	20 mg/m ³ .	20 mg/m ³ .	20 mg/m ³ .
Dermal LD ₅₀ rabbit	21	12100 mgm/kg	2000 mgm/kg	2000 mgm/kg	16000 mgm/kg	8000 mgm/kg
Oral LD ₅₀ rat	22	640 mgm/kg	2000 mgm/kg	2000 mgm/kg	2080 mgm/kg	2600 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	Limited evidence of a carcinogenic effect
Mutagenic	Not mutagenic in animal studies.
Reproductive Toxicity	No data available

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.
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 aerosol containers after use. Dampen all unwanted cloths and rags in water prior to disposal. Do not recycle contents. Crush all small empty aerosol containers. Ensure all contents do not pollute waterways, drains and sewage.

TRANSPORT INFORMATION

UN number	1950		
Proper Shipping Name	AEROSOL – capacity less than 1 Litre		
Class	9	Subsidiary Risk	Not Required
Packing Group	Not Assigned		
Emergency Procedures	EP 3900	Initial Emergency Response Guide	49
HAZCHEM	3[Y]E		
IMDG	Not Known		



REGULATORY INFORMATION

Regulatory Information and Hazard Category	The product is classified as a Hazardous Substance in accordance to Work Safe Australia as Harmful and Irritant.
SUSDP 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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