

HiChem Paint Technologies Pty.Ltd.

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Emergency Contact

Poisons Information Centre
13 11 26

HiChem



HiChem Paint Technologies
(03) 9796 3400 9am-5pm

Product Use: Aerosol Rust Not applied by spray used as topcoat on variety of surfaces

HAZARD IDENTIFICATION

The product is classified as both **Dangerous Goods** and **Hazardous Substance** in accordance to SAFE WORK AUSTRALIA {HSIS} and GLOBALLY HARMONISED SYSTEM {GHS} criteria.

GHS requirements.

Classification of the substance or mixture

Flammable gas – (Category 1)

Specific Target Organ Toxicity – Repeated Exposure (Category 2)

Dermal, Inhalation and Eye Irritation – (Category 2)

Acute Toxicity – inhalation dermal, oral (Category 3)

Environment – Aquatic Organisms

DANGER



H 220
Extremely
Flammable
Aerosol

H 302 + H 312 +
H 332
Harmful if
swallowed, in
contact with the
skin and if
inhaled

H 320 + H
315 +
H 335
Can cause
eye, skin
and
respiratory
irritation.

H 373: May cause
damage to organs
(inhalation).
H360: May damage
fertility or the
unborn child

H 402 + H 413
Harmful to
aquatic life and
may cause long
lasting harmful
effects to aquatic
life

PRECAUTIONARY REQUIREMENTS

General Requirements

P 102 Keep out of reach of children.
P 103 Read label before use.

Prevention

P 210 Keep away from heat sources, electrical discharges (sparks), naked (open) flames and ignition sources. **NO SMOKING**

P 233 + P 234 + P 410 Keep original containers tightly closed when not in use and stored in a well ventilated area away from heat and sunlight.

P 261 Avoid inhaling vapours and spray mists. Ensure there is adequate ventilation at all times.

P 264 Wash all exposed skin and hair with warm water and soap after use.

P 270 When using, do not eat, drink or smoke.

P 273 Avoid release to the environment including waterways, sewage and drains.

The following Risk and Safety Phrases have been allocated for this product in accordance with SAFE WORK Australia requirements. The AUSTRALIAN DANGEROUS CODE is included.

Risk Phrases R

12	Extremely Flammable Gas
20/21/22	Harmful by inhalation, with contact with the skin and if swallowed.
36/37/38	Irritating to eyes, respiratory system and skin.
48/20	Danger of serious damage of serious damage to health by prolonged exposure through ventilation.
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

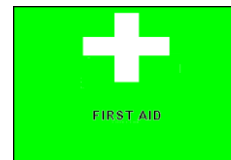
2	Keep out of reach of children.
7/9	Keep containers tightly closed when not in use and also in a well ventilated area.
15/16/33	Keep away from heat and sources of ignition. Take precautionary measures against static electricity.
20/21	When using, do not eat, drink or smoke.
23.5	Do not breathe the vapours 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, hair 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 2,
Classification	Initial Emergency Response Guide 49.
SUSDP	Classified as a Schedule S 5 poison.

IDENTIFICATION of the SUBSTANCE(S) and COMPOSITION

Product Name	AEROSOL – RUST NOT COLOUR RANGE	Code	ASP
Ingredients	Name	CAS Number	Proportion w/w
	Di Methyl Ether	115 – 10 – 6	30 – <60.0 %
	Polymeric Synthetic Resins (Non – Hazardous)	Proprietary	10 – <30.0 %
	Xylene	1330 – 20 – 7	1.0 – <10.0 %
	Toluene	108 – 88 – 3	10 – <30.0 %
	Ethyl Benzene	100 – 41 – 4	1.0 – <10.0 %
	Encapsulated Pigments (Non – Hazardous)	Mixture	10 – <30.0 %
	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 = - 41 °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

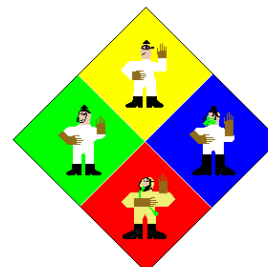
Precautions for Safe Handling	Highly Flammable Gas. Remove all sources of ignition. Wear the recommended Personal Protective Equipment including organic vapour respirator, eye/face protection, protective clothing, gloves and enclosed footwear. Ensure there is adequate ventilation at all times. After 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	Di Methyl Ether = 760 mg/m ³	Toluene = 190 mg/m ³
Exposure Standards STEL	Xylene = 350 mg/m ³	Ethyl Benzene = 440 mg/m ³
Biological Limited Values	Toluene = 565 mg/m ³	Xylene = 655 mg/m ³
Engineering Controls	Di Methyl Ether = 950 mg/m ³	
	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. Do not use in a confined area.	

PERSONAL PROTECTION

Inhalation <i>AS –NZS 1715/16</i> Eye <i>AS –NZS 1337</i>	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 <i>AS –NZS 2161</i> Footwear <i>AS –NZS 2210</i> Clothing <i>AS –NZS 2919</i>	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 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 <i>AS –NZS 1270</i> Other Requirements	Not required. Avoid contact with eyes and skin. Avoid inhaling vapours and spray mists at all times



PHYSICAL – CHEMICAL PROPERTIES

Appearance pH Vapour Pressure <i>(Butyl Acetate = 1)</i> Boiling Point °C Density Solubility in water Flash Point °C Flammability Limits Volatile Organic Compounds VOC Auto Ignition °C Volatile Components	A coloured gas with a strong odour. Not required. Greater than 1 <-25 to 169 °C (literature value) 0.87 (calculated value) Immiscible - 41 °C (literature value) Lower Explosive Limit = 1.0 64 % weight/volume 230 °C (literature value) Di Methyl Ether, Xylene, Toluene and Ethyl Benzene	Upper Explosive Limit = 8.0
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STABILITY and REACTIVITY

Chemical Stability Conditions to avoid Hazardous decomposition products Incompatible materials Hazardous Reactions	Stable under normal conditions of use. Avoid contact with heat, all ignition sources and static electricity On heating, containers may rupture and explode: contents may burn rapidly forming toxic gases including carbon monoxide, soot and smoke. Incompatible with strong oxidizing agents Will not polymerize since the product is supplied as a polymeric coating.
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TOXICOLOGICAL INFORMATION

<i>Health Effects</i>	<i>Risk Phrase</i>	<i>Xylene</i>	<i>Ethyl Benzene</i>	<i>Toluene</i>
Inhalation	20	20	20	20 mg/m ³ .
LC ₅₀ rat		mg/m ³	mg/m ³	
Dermal	21	4500	2000	12100
LD ₅₀ rabbit		mg/kgm	mg/kgm	mgm/kgm
Oral	22	4300	2000	640
LD ₅₀ rat		mg/kgm	mg/kgm	mgm/kgm

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 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.
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 (R 59)
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. Do no 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	2	Subsidiary Risk	Not Required
Packing Group	Not Assigned		
Emergency Procedures	EP 3900	Initial Emergency Response Guide	49
HAZCHEM	2 Y		
IMDG	Not Known		



REGULATORY INFORMATION

Regulatory Information and Hazard Category	The product is classified as a Hazardous Substance in accordance to SAFE WORK AUSTRALIA {HSIS} and Globally Harmonised System {GHS} as an irritant and harmful.
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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