

HiChem Paint Technologies Pty.Ltd.

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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).



H 204	Category 1	Fire or explosion hazard
H 222	Category 3	Extremely flammable aerosol
H 229	Category 1	Pressurised container may burst if heated.
H 302	Category 5	Harmful if swallowed
H 312	Category 5	Harmful in contact with the skin
H 315	Category 2	Causes skin irritation
AUH 066	Repeated exposure may cause skin dryness or cracking	
H 320	Category 2B	Causes eye irritation
H 335	Category 3	May cause respiratory irritation.
H 336	Category 3	Vapours may cause dizziness and drowsiness
H 351	Category 2	Suspected of causing cancer
H 373	Category 2	May cause damage to organs.
H 413	Category 4	May cause long term harmful effects in the aquatic environment.

GHS PRECAUTIONARY STATEMENTS

Statement Type	Statement 'P'	Precautionary Statement Text	
Precautionary Statements	P 101	Seek medical advice if required	
	P 103	Carefully read and understand this document prior to application.	
	Prevention	P 211	Do not apply on hot surfaces. No Smoking
		P 233/34/35	Keep in original container and tightly closed in a cool dry place when not in use.
		P 241	Ensure all equipment and lighting is explosion proof during the application period.
		P 251	Pressurized container. Do not pierce or burn ,even after use.
		P 261/80	Avoid breathing vapours and spray mists during the application period. Wear the recommended protective equipment at all times,
		H 264	Wash all exposed skin and hair after the application period with soap and warm water.
		P 270	Do not smoke, eat or drink during the application period.
		P 271	Use in a well ventilated area away from all electrical or sparking equipment
	P 273	Avoid release to the environment including drains, sewage and waterways, and atmosphere.	
	P 280	The wearing of protective clothes with gloves, vapour mask, face and eye protection during the application period.	
Response	P 301/10	If swallowed, rinse the mouth water immediately. Contact the Poisons Information Centre (Telephone 13 11 26) urgently.	
	P 303/13/62	If on skin or hair, wash all exposed area with plenty of warm water and soap. Seek medical advice if any irritation occurs. Remove contaminated clothing immediately.	

	P 304/13	If inhaled, removed oneself to fresh air from the contaminated area and keep warm in a comfortable position. Seek medical advice if any symptoms immediately
	P 305/13	If in eyes, immediately flush with plenty of water. Remove contact lenses if safe to do so if worn. Contact urgent medical advice immediately if any irritation or blurring occurs.
	P 306/62/63	If splashed onto clothing, removed all contaminated clothing and wash with plenty of water immediately before reuse
	P 370/72/75	If case of fire, use dry sand or earth, or alcohol resistant foam. Containers may explode on heating. If safe to do so, remove all electrical equipment in the direction of fire. Ensure all power supplies are switch off.
	P 380/81	Consider evacuating the area if the fire presents a threat. Eliminate all ignition sources if safe to do so.
	P 390/91	Collect and absorb all spillages onto dry sand or earth and placed into clean, dry and labelled containers prior to disposal.
Storage	P 402/03	Store in a cool, well dry and ventilated place in a Flammable Goods Store and away from protect from direct sunlight.
Disposal	P 501	Dispose carefully unused contents and container(s) to an approved waste disposal site. Further information may be obtain by contacting the Local Statutory Authorities. Ensure all package(s) are labelled as AEROSOL, FLAMMABLE, CLASS 9, UN1950

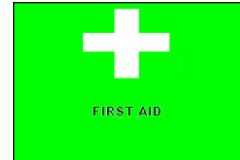
Product Usage. *HICHEM HAMMERCOAT AEROSOL COLOURS* are quick drying resin based coating with a hammered metal surface pattern which is ideal for camouflaging surface imperfections with a highly decorative effect. For further information contact HICHEM helpdesk on (03) 9796 3034.

IDENTIFICATION of the SUBSTANCE(S) and COMPOSITION

<i>Product Name</i>	HAMMERCOAT FINISH – COLOUR RANGE	<i>Code</i>	HF 400
<i>Name</i>	<i>CAS Number</i>	<i>Proportion w/w</i>	
Coloured Pigments	Mixture	1.0 – <10.0 %	
Polymeric Synthetic Resins	Proprietary	10 – <30.0 %	
Toluene	108 – 88 – 3	1.0 – <10.0 %	
Di Methyl Ether	115 – 10 – 6	30 – <40.0 %	
Hexane	108 – 65 – 6	1.0 – <10.0 %	
Xylene	110 – 54 – 3	10 – <30.0 %	
Solvent Naphtha (Petroleum) Light Aromatic	64742 – 95 – 6	1.0 – <10.0 %	
Ethyl Benzene	100 – 41 – 4	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>	If swallow, and only if the person is conscious, give water to rinse mouth. 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 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 = <- 22 °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 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. Aerosol packages may rocketed in a fire or if punctured. Move away all packages and equipment from the direction of the fire, if safe to do so. Keep upwind.



ACCIDENTAL RELEASE MEASURES

Emergency Procedures.	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.
Spills and Leaks	
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.

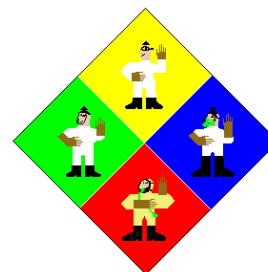
EXPOSURE CONTROLS

Time Weighted Values for 8 hours

Exposure Standards MAK	Xylene = 350 mg/m ³ Ethyl Benzene = 435 mg/m ³ Solvent Naphtha (Petroleum) Light Aromatic = 100 mg/m ³ Di Methyl Ether = 760 mg/m ³ Hexane = 72 mgm/m ³ Toluene = 190 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.

PERSONAL PROTECTION

Inhalation AS –Nzs 1715/16	The wearing of Organic Vapour – Particulate Respirator should be worn at all times during the application period.
Eye and Hair AS –Nzs 1337	The wearing of safety glasses fitted with side shields should be worn at all times during the application period. Wear protective hair protection 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 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 application period
Hearing AS –Nzs 1270	Not required
Other Requirements	Avoid contact with eyes and skin. Avoid inhaling vapours.



PHYSICAL – CHEMICAL PROPERTIES

Appearance	A coloured liquid with an indistinguishable odour.	
pH	Not required.	
Vapour Pressure (Butyl Acetate = 1)	Greater than 1	
Boiling Point °C	<-25 to 150 °C	
Density	0.81 {calculated value}	
Solubility in water	Immiscible	
Flash Point °C	<-22 °C (literature value)	
Flammability Limits	Lower Explosive Limit = 1.0	Upper Explosive Limit 9.6
Auto Ignition °C	240 °C (literature value)	
90	82 % volume/volume (calculated value)	
Volatile Components	Di Methyl Ether and Liquid Hydrocarbons.	

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 will 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)
Di Methyl Ether	20 mgm/Litre	2000 mgm/kgm	28700 mgm/kgm
Toluene	28.8 mgm/Litre	12200 mgm/kgm	5580 mgm/kgm
Xylene	20 mgm/Litre	4500 mgm/kgm	2840 mgm/kgm
Ethyl Benzene	20 mgm/Litre	15500 mgm/kgm	3500 mgm/kgm
Solvent Naphtha (Petroleum) Light Aromatic	20 mgm/Litre	2000 mgm/kgm	2000 mgm/kgm

Acute Oral Toxicity	Low 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 damage to organs on prolonged or repeated exposure – central nervous 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 cause damage to organs through repeated or prolonged exposure.
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	Not Known

ECOLOGICAL INFORMATION

Environment	May cause long lasting harmful effects in 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	1950		
Proper Shipping Name	AEROSOL, capacity less than 1 litre		
Class	9	Subsidiary Risk	Not Required
Packing Group	I		
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 Hazardous Substance in accordance to SAFE WORK AUSTRALIA {HSIS} and GLOBALLY HARMONISED SYSTEM {GHS} 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 (03) 9796 3400
Disclaimer	<i>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</i>	



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