

HiChem Paint Technologies Pty.Ltd.

A.B.N. 95 064 139 563

73 Hallam South Road, HALLAM, VICTORIA 3803.

Telephone : {03} 9796 3400

Facsimile : {03} 9796 4500

Email: msdsinfo@hichem.com.au

www.hichem.com.au



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).

GHS HAZARD STATEMENTS



- | | | |
|---------|-------------------|--|
| H 225 | Category 2 | Highly Flammable Liquid and Vapour |
| H 303 | Category 5 | May be harmful if swallowed. |
| H 312 | Category 4 | Harmful in contact with the skin. |
| H 315 | Category 4 | Causes skin irritation |
| AUH 066 | Repeated exposure | may cause skin dryness or cracking. |
| H 320 | Category 4 | Causes eye irritation |
| H 332 | Category 4 | Harmful if inhaled |
| H 336 | Category 3 | Vapours may cause dizziness and drowsiness |
| H 371 | Category 2 | May cause damage to organs. |
| H 413 | Category 4 | May cause long lasting harmful effects to the aquatic environment. |

PRECAUTIONARY REQUIREMENTS

- | | | | |
|----------------------------------|----------|---|--|
| General Precautionary Prevention | P 102/3 | Keep out of reach of children and read label before use. | |
| | P 233/4 | Keep in the original container and tightly closed when not in use. Keep away from moisture at all times. | |
| | P 261 | Avoid skin, inhalation and eye contact during the application period. | |
| | P 270 | No smoking, eating or drinking. | |
| | P 271 | Use in a well ventilated area away from all electrical or sparking equipment. | |
| | P 273 | Avoid release to environment. | |
| | P 280 | Wear hair and face protection, organic vapour respirator, safety glasses fitted with side shields, gloves and protective clothing during handling and application period at all times | |
| | Response | P 301 | If swallowed, rinse the mouth with water immediately. Do not induce vomiting. Seek medical advice. |
| | | P 303 | If on skin, face or hair, wash immediately with soap and plenty of water. If irritation occurs, seek medical advice. |
| | | P 304 | If inhaled, remove oneself to fresh air and keep warm. Rest in a comfortable position away from the contaminated area. |
| P 340 | | Seek urgent medical advice urgently. | |
| P 305 | | If in eyes, rinse with plenty of water and removed contact lens if worn immediately. Seek urgent medical advice if burning occurs. | |
| P 338 | | Seek urgent medical advice if burning occurs. | |
| P 362 | | Wash contaminated clothing and wash before re-use. | |
| P 381 | | Eliminate all ignition sources and turn off electricity. | |
| Disposal | P 403 | Store in a well ventilated area away from moisture | |
| | P 501 | Dispose carefully unused contents and container(s) to an approved waste disposal plant. Classified as HIGHLY FLAMMABLE LIQUID, Class 3, HAZCHEM 3[Y]E. | |

Product Usage. When mixed with its Hardener is applied by brush, roller or spray used for coating on recommended surfaces.

IDENTIFICATION of the SUBSTANCE(S) and COMPOSITION

Product Name	2 PACK EPOXY COAT BASE		Code	2PEPK
Ingredients	Name	CAS Number	Proportion w/w	
	Methyl Iso Butyl Ketone	108 – 10 – 1	10.0 – <30.0 %	
	Xylene	1330 – 20 – 7	30.0 – <60.0 %	
	Ethyl Benzene	100 – 41 – 4	1.0.– <10.0 %	
	Epichlorohydrin – Bisphenol A Polymer	Not Known	30.0 – <60.0 %	

FIRST AID MEASURES

Inhalation	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.
Ingestion	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.
Eyes	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.
Skin and Hair	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.
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 symptoms may be delayed for several hours after exposure.



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, sewage and drains.
Hazardous Decomposition Products	On heating, containers may rupture and explode: contents may burn rapidly forming toxic gases including carbon monoxide, soot and smoke, above the boiling point
Flammability	Highly Flammable Liquid. Flash Point = 15 °C
Specific Hazards	Vapours may form explosive/air mixtures.
Precautions in connection with Fire	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. Move away all packages and equipment from the direction of the fire, if safe to do 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

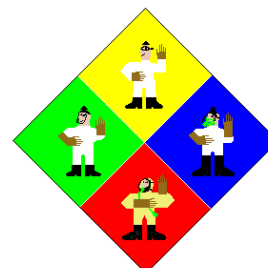
Precautions for Safe Handling	Highly Flammable Liquid. Remove all sources of ignition. Wear the recommended Personal Protective Equipment including organic vapour respirator, eye/face protection, protective clothing, gloves and enclosed footwear. Ensure there is adequate ventilation at all times. After 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 Xylene = 350 mg/m ³ Ethyl Benzene = 435 mg/m ³
Exposure Standards STEL	Xylene = 655 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 fill containers in a confined space.

PERSONAL PROTECTION

Inhalation	The wearing of Organic Vapour Respirator must be worn at all times during the handling and spraying application period.
AS –Nzs 1715/16	
Eye	The wearing of safety glasses fitted with side shields must be worn at all times during the handling and spraying application period. Do not wear contact lenses.
AS –Nzs 1337	
Gloves	The wearing of Neoprene or PVC gloves should be worn at all times during the handling and spraying period.
AS –Nzs 2161	
Footwear	The wearing of enclosed footwear should be worn at all times during the handling and spraying application period.
AS –Nzs 2210	
Clothing	The wearing of anti-static clothing made on natural or synthetic high temperature fibre should be worn at all times during the handling and spraying application period.
AS –Nzs 2919	
Hearing	When applied by conventional spray, the wearing of hearing equipment should be worn at all times.
AS –Nzs 1270	
Other Requirements	Avoid contact with eyes and skin. Avoid inhaling vapours.



PHYSICAL – CHEMICAL PROPERTIES

Appearance	A colourless liquid with a mild odour.	
pH	Not required.	
Vapour Pressure <i>(Butyl Acetate = 1)</i>	Less than 1	
Boiling Point °C	117 – 140 °C	
Density	0.96 {calculated value}	
Solubility in water	Immiscible	
Flash Point °C	15 °C (literature value)	
Flammability	Lower Explosive Limit = 1.2	Upper Explosive Limit = 8.0
Limits		
Auto Ignition °C	400 °C (literature value)	
Volatile Organic Compounds VOC	58 % weight/volume	
Volatile Components	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 may 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

<i>Ingredient</i>	<i>Inhalation</i>	<i>Dermal</i>	<i>Oral</i>
	<i>LC₅₀ (rat)</i>	<i>LD₅₀ (rabbit)</i>	<i>LD₅₀(rat)</i>
Ethyl Benzene	20 mgm/Litre	15500 mgm/kgm	3500 mgm/kgm
Methyl Iso Butyl Ketone	20 mgm/Litre	16000 mgm/kgm	2080mgm/kgm
Xylene	20 mgm/Litre	4500 mgm/kgm	2840 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 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. May be harmful causing lung damage if swallowed.
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

<i>Environment</i>	May cause long lasting harmful effects to the aquatic environment.
<i>Persistence/ Degradability</i>	No data available.
<i>Mobility</i>	No data available
<i>Environment Protection</i>	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	1263		
Proper Shipping Name	PAINT, – immiscible in water		
Class	3	Subsidiary Risk	Not Required
Packing Group	II		
Emergency Procedures	EP 3300	Initial Emergency Response Guide	14
HAZCHEM	3[Y]E		
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 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
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

