

PASCO CONSTRUCTION SOLUTIONS PTY. LTD.

A.B.N. 16 386 132 416

13 – 15 Brighton Street, RICHMOND 3121

Telephone: {03} 9429 9111

Emergency: 0431 789 689

Email: peter@pasco.net.au

Facsimile: {03} 9429 6111

Contact: Peter Demos

www: pasco.net.au

HAZARD IDENTIFICATION

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

Risk Phrases R

- 10 Flammable Liquid
20/21/22 Harmful by inhalation, contact with the skin and if swallowed.
36/37/38 Irritating to eyes, respiratory system and skin.
40 Limited evidence of a carcinogenic effect.
42/43 May cause sensitization by inhalation and skin contact
53 May cause long term adverse effects in the aquatic environment.
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.
23.2 Do not breathe the vapours.
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 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.
49 Keep only in the original container.
62 If swallowed, do not induce vomiting: seek medical advice immediately. Show the label where possible.

ADG Classification COATING SOLUTION, immiscible in water, UN 1139. Class 3, Packing Group III, HAZCHEM 3[**V**].

SUSDP Classified as a Schedule S 6 poison.

IDENTIFICATION of the INGREDIENT(S) and COMPOSITION

Product Name	AQUAPROOF 110UV	Code	
Product Use	A single pack, polyurethane membrane coating, applied by brush or roller onto roofs.		
Ingredients	Name	CAS Number	Proportion w/w
	Monomeric Isophorone Di Isocyanate	4098 – 71 – 9	0.1 – 1.0 %
	Polymeric Isophorone Di Isocyanate Resin	Not Known	30 – 60 %
	Xylene	1330 – 20 – 7	10 – <30 %
	Ethyl Benzene	100 – 41 – 4	1.0 – <10.0 %
	Additives (Non – Hazardous)	Not Known	1.0 – <10 %

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 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 eye continuously with running water for at least 15 minutes. Continue flushing until advised to stop 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 to stop 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

Suitable Extinguishing Media	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 oxides, cyanides and oxides of nitrogen above the boiling point.
Specific Hazards	Flammable Liquid. Flash Point = 27 °C. HAZCHEM Code 3[V]. Vapours may form explosive/air mixture.
Precautions in connection with Fire	Fire – fighters should wear Chemical Splash Suit with attached Self – Contained Breathing Apparatus, eye and face protection 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.

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. Ensure there is adequate ventilation at all times during the cleaning up period.
Disposal	Collect all residues into labelled and sealed containers for disposal via special waste collection services as per local Waste Management or Statutory Authorities' requirements.
Other Precautions	Ensure there is adequate ventilation at all times.

HANDLING and STORAGE

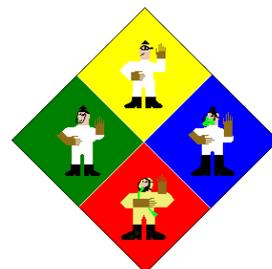
Precautions for Safe Handling	Flammable liquid. Remove all ignition sources. Wear the recommended Personal Protective Equipment including organic vapour respirator, eye/face protection, protective clothing and gloves. Ensure there is adequate ventilation at all times. Avoid unnecessary contact with the material. After use before eating, drinking or smoking wash all exposed skin and hair with soap and water. Keep out of reach of children.
Conditions of Safe Storage	Containers must be clearly labelled, tightly closed, 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	Monomeric Isophorone Di Isocyanate = 0.01 mg/m ³ .
Exposure Standards STEL	Xylene = 350 mg/m ³ . Ethyl Benzene = 440 mg/m ³ .
Biological Limit Values	Xylene = 650 mg/m ³ .
Engineering Controls	There are no known Biological Limit Values have been assigned.
	When handling, mixing and application, used in a well ventilated area. Ensure all equipment is flame – proof. Do not use in a confined area.

PERSONAL PROTECTION – APPLICATION

Inhalation AS –Nzs 1715/16	The wearing of an Organic Vapour Respirator should be worn at all times during mixing, handling and application period.
Eye AS –Nzs 1337	The wearing of face shield or safety glasses fitted with side shields should be worn at all times during the mixing, handling and application period. Do not wear contact lenses.
Gloves AS –Nzs 2161	The wearing of Viton or PVC gloves should be worn at all times during the handling and spray 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	Not required
Other Requirements	Avoid contact with eyes and skin. Avoid inhaling vapours at all times



PHYSICAL – CHEMICAL PROPERTIES

Appearance	A colourless, viscous liquid with a strong odour.	
pH	Not required	
Vapour Pressure (Butyl Acetate = 1)	Less than 1	
Vapour Density	Not Known	
Boiling Point °C	145 – 250 ° Celsius (Literature Value)	
Density	1.0	
Solubility in water	Immiscible	
Flash Point °C	27 ° Celsius (Literature Value)	
Flammability Limits	Lower Explosive Limit = 1.0	Upper Explosive Limit = 7.5
Auto Ignition °C	440 ° Celsius (Literature Value)	
Volatile Components	Organic Solvents – Ethyl Benzene, Xylene	

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 oxides, cyanides and oxides of nitrogen.
Incompatible materials	Strong acids and alkalis, oxidizing agents.
Hazardous Polymerization	Will not polymerize since the material is supplied as polymeric coating

TOXICOLOGICAL INFORMATION

<i>Toxicity Information</i>	<i>Risk Phrase</i>	<i>Xylene</i>	<i>Ethyl Benzene</i>	<i>Monomeric Isophorone Di Isocyanate</i>
Inhalation	20	> 20	>20	Not Known
LC ₅₀ rat		mgm/Litre	mgm/Litre	
Dermal	21	>2000	>2000	> 7000 mg/kg
LD ₅₀ rabbit		mgm/kg	mgm/kg	
Oral	22	>2000	>2000	4825
LD ₅₀ rat		mgm/kg	mgm/kg	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.			

OTHER TOXICOLOGICAL INFORMATION (CONTINUED)

Health Effects

Inhalation	The inhalation of vapours may cause acute irritation and sensitization to the respiratory system leading to an asthmatic condition, wheeziness and tightness of the chest. When sensitised persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the Occupational Exposure Limit (OEL). Repeated or prolonged exposure may lead to permanent disability. Other symptoms may cause central nervous system depression resulting in headaches, dizziness, nausea, loss of co-ordination, impaired judgement. Delayed reactions possible (breathing difficulties, coughs, asthma).
Ingestion	Large quantities may cause nausea and vomiting. Harmful. May cause lung damage if swallowed.
Eyes	Irritating to the eyes, including burning sensation, redness, swelling and/or blurred vision
Skin	Skin may be sensitized on prolonged and repeated exposure. Also can 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

<i>Ecotoxicity</i>	May cause long – term adverse effects in the aquatic environment (R53).
<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 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	1139		
Proper Shipping Name	COATING SOLUTION, immiscible in water		
Class	3	Subsidiary Risk	Not Required
Packing Group	III		
Emergency Procedures	3305	Initial Emergency Response Guide	15
HAZCHEM	3[Y]		
IMDG			



REGULATORY INFORMATION

Regulatory Information and Hazard Category	The product is classified as a Hazardous Substance in accordance to Safe Work Australia as a Harmful, Irritant, Sensitizer Substance. In accordance with the Australian Dangerous Goods Code , the product is classified as Flammable Liquid. Classified as a Schedule S 6 Poison.
SUSDP Classification	

OTHER INFORMATION

Literature References & Sources of Data	The available literature references and sources of data on the ingredients used in this manufactured product are from our current suppliers'. The product is an imported material. Since Pasco Construction Solutions Pty. Ltd. has no control over the information being supplied.
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Emergency Contact	Poisons Information Centre 13 11 26	Pasco Construction Solutions P.L.
		03 9429 9111 B.H.
		0431 789 689 A.H.

Disclaimer	<i>Data provided is to best of Pasco Construction Solutions Proprietary Limited knowledge and believe to be accurate and reliable as of the date of issued. However no expressed or implied warranties are given. Pasco Construction Solutions 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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