

Safety Data Sheet REVISION DATE: JANUARY 2017

Hazardous Substance, Dangerous Goods Australia

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: WPA 990
Product Code(s): 416-100
Synonyms: None
Recommended Use: Waterproofing Membrane
Supplier: Waterproofing Products Australia Pty Ltd
Address: PO Box 1213 Archerfield BC, Queensland 4108
Telephone numbers: +61 (7) 3722 3700
Facsimile number: +61 (7) 3722 3711
Email: info@bayset.com.au
Emergency Contact: Australian Poisons Information Centre: 13 11 26

2. HAZARDS IDENTIFICATION

Statement of hazardous / dangerous nature:.....Hazardous Substance, Dangerous Goods Australia.
This material is hazardous according to health criteria of ASCC.

Classification:Xn Harmful.
Xi Irritant Class: 6.1
Toxic Poison Schedule: S5 (Australia)
UN No.: 2810
Toxic Packaging Group: 111
Hazchem: 2X

Risk Phrases:Flammable.
Harmful by inhalation.
Irritating to eyes, respiratory system and skin.
Possible risk of irreversible effects.
May cause sensitisation by inhalation and skin contact.



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3. COMPOSITION INFORMATION

Chemical Name:	CAS Number:	Proportion:
Urethane Pre-polymer	9048-51-1	30% - 60%
Inert Fillers	Not Known	10% - 30%
Xylene	1330-20-7	< 30%
UV Stabilisers, UV Absorbers	Not Known	< 5%

4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (**Phone 131 126**)

- Inhalation: Remove patient from exposure. Remove contaminated clothing. Keep patient warm and comfortable. Keep at rest until fully recovered. Ensure airways are clear. If breathing is laboured or cyanotic (blue), have a qualified person give oxygen through face mask. If breathing stopped give immediate artificial respiration and apply external cardiac massage. Seek immediate medical advice.
- Ingestion:..... Rinse mouth with water. Give water to drink. Do NOT induce vomiting. Seek immediate medical attention.
- Skin Contact: Promptly wash with soap and water. Remove contaminated clothing and wash before re-use. If swelling, redness, blistering or skin irritation occurs / persists then seek medical advice.
- Eye Contact:..... Immediately irrigate with copious quantity of clean water for at least 15 minutes. Hold eyelid open to flush product from under lid. Seek immediate medical assistance.
- Notes to Physician:..... Treat symptomatically. Effects may be delayed. If patient has been subject to severe exposure then the patient should be kept under medical supervision for at least 48 hours.

5. FIRE FIGHTING MEASURES

- Flammability: Product is flammable. Product contains flammable solvents. Containers may rupture / explode if subjected to high intensity heat.
- Extinguishing media: Foam, CO2 and Dry Chemical. Water fog or, if unavailable, fine water spray may be used if no other medium is available, and then copious quantities. Reaction between water and hot isocyanate may be vigorous.
- List of dangerous decomposition or combustion products:..... Carbon oxides, Nitrogen oxides, isocyanate vapours, hydrocarbon vapours and Hydrogen Cyanide with emissions of toxic vapour, fumes and smoke.
- Firefighting further advice: Fire fighters should wear self-contained breathing apparatus and suitable protective clothing.
- Precautions:..... Keep containers cool with water spray to prevent expansion and possible rupture. If safe to do so, remove containers away from heat source or fire. Burning may product a dense and irritating smoke or fumes. Due to reaction with water producing CO2, a hazardous build-up of pressure could result in possible rupture if containers are re-sealed.

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6. ACCIDENTAL RELEASE MEASURES

Small Spills:..... Follow below procedure.

Large Spills:..... Clear area of personnel.

Cleaners should wear protective gear including face mask or goggles, safety boots, gloves and overalls.

Note: Product is viscous and therefore spills should be able to be contained.

Prevent product from entering drains and waterways. Product will cure in water to a rubber like consistency.

Cover and contain with soil, sand or absorbent material.

Shovel in to open drums. Allow product to cure before closing.

Dispose of cured product in to land-fill.

Precautions for clean-up crew:..... Solvents will evaporate out of the product, provide good ventilation.

Wear full protective gear to prevent skin and eye contact and inhalation of vapours. Prevent run off from entering water ways and drains.

Cover with wet soil or wet sand. Let material react for 10 minutes.

Shovel in to open containers. Wash area with water. Allow residue to react. The product will naturally cure on contact with air and will cure quicker on contact with water to a solid rubber-like consistency and become mostly inert.

7. HANDLING AND STORAGE

Handling:..... Employ safe lifting techniques. Avoid contact with skin and eye and inhalation of vapours. Wear appropriate personal protective equipment. Workers should wash hands and face before eating, drinking and smoking.

Storage:..... Store in cool, dry area away from water, alcohols, amines, acids, alkalis, corrosive chemicals, heat sources and foodstuffs. Keep dry. Product reacts with water and can lead to container rupture. Recommended storage temperature range 15°C to 35°C. Do not put in contact with aluminium or galvanised steel. Check regularly for leaks. Unsuitable containers are: aluminium, copper, copper alloy and galvanised metals. Classified: Dangerous Good Class - 6.1. Poison Schedule: S5. Prevent from freezing.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- National occupational exposure limits:.....No specific value has been assigned by the National Occupational Health and Safety for this product.
- Engineering Measures:.....Ensure ventilation is adequate to keep air concentrations below Exposure Standards. Face shield or air mask with positive air flow should be used in areas where ventilation is inadequate.
- Vapours are heavier than air and may collect in low lying areas. Do not enter confined areas where vapours may have collected. Keep containers closed when not in use. Keep away all sources of ignition.
- Personal protective equipment:Overalls, Safety Shoes, Face Shield or Safety Glasses, Nitrile Rubber, Neoprene or PVC Gloves (long).

9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical State:.....Thixotropic paste.
- Colour:.....Grey.
- Odour:.....Slight polymer odour.
- Boiling Point:.....300°C approx.
- Flash Point:.....28°C approx. (as for Xylene).
- Flammability Limits:Not applicable.
- PH:.....Not available
- Specific Gravity (20°C):1.2
- Solubility in Water:.....Insoluble.

10. STABILITY AND REACTIVITY

- Chemical Stability:Stable at room temperature.
- Conditions to avoid:Avoid high temperatures.
- Materials to avoid:.....Water, Aluminium, Copper, Copper alloy and galvanised metals.
- Hazardous decomposition products:Will react exothermically with water and all organic compounds containing active hydrogen groups. Reactions with water and hot isocyanate may be vigorous.

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11. TOXICOLOGICAL INFORMATION

Potential acute health effects

- Inhalation: A respiratory irritant and possible respiratory sensitiser. Repeated or prolonged inhalation of vapour at levels above the occupational exposure standard could cause respiratory sensitisation. Symptoms may include - irritation of eyes, nose, throat and lungs, possibly with dryness of throat, tightness of chest and difficulty breathing. Onset of respiratory symptoms may be delayed for several hours after exposure. A hyper-reactive response may develop to even minimal concentrations of MDI in sensitive persons. Inhalation of high concentrations will lead to anaesthetic effects and adverse effects on the central nervous system. Symptoms may include light-headedness, nausea, vomiting and headache. Inhalations of very high concentrations, which is unlikely as the product is usually rolled (and not atomised) can result in loss of consciousness and irregular heartbeat and prove suddenly fatal.
- Ingestion: This is highly unlikely as the product is a thick viscous liquid and would be difficult to swallow. May produce nausea, vomiting, diarrhoea and can lead to drowsiness and possible loss of consciousness.
- Skin Contact: Moderate irritation. A skin sensitiser. Prolonged contact can lead to allergic dermatitis. Animal tests have shown that respiratory sensitisation can be induced by skin contact with known sensitisers including isocyanates. Hence the need for protective clothing and gloves.
- Eye Contact: Both liquid and vapour are irritants.

12. ECOLOGICAL INFORMATION

- Environmental effects: Avoid contaminating water ways. For MDI, a pond study showed gross contamination caused no significant toxic effects on a wide range of flora.

13. DISPOSAL CONSIDERATIONS

Refer to State/Territory Land Waste Management Authority. Empty containers must be de-contaminated. Allow residual product to cure and then dispose to land-fill.

14. TRANSPORT INFORMATION

- Classification: Dangerous Goods.
- UN No.: 2810
- Toxic Packaging Group: 111
- Hazchem: 2X

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15. REGULATORY INFORMATION

Poisons Schedule: Australia: Poisons Schedule S5.

16. OTHER INFORMATION

Material Safety Data Sheets are updated frequently. Please ensure that you have a current copy. MSDS may be obtained from the following website: www.bayset.com.au

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact Waterproofing Products Australia Pty. Ltd. Waterproofing Products Australia Pty. Ltd. makes no representation as to the completeness and accuracy of the data contained in this data sheet. It is the user's obligation to evaluate and use this product safely, and to comply with all relevant Federal, State and Local Government laws and regulations. Waterproofing Products Australia Pty. Ltd. shall not be responsible for loss, damage or injury resulting from reliance upon or failure to adhere to any recommendation or information contained herein, from abnormal use of the material, or any hazard inherent in the nature of the material.

DOCUMENT CONTROL	
Product	WPA 990
Initial Issue	May 2015
Technical Amendment	January 2017
Author	FM