

Safety Data Sheet ISSUED MAY 2023

Hazardous Substance, Non - Dangerous Goods Australia

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: WPA PUR GT103
Product Code(s): 205-321
Synonyms: GT103
Recommended Use: injection
Supplier: Waterproofing Products Australia
Address: PO Box 33 Archerfield BC, Queensland 4108
Telephone numbers: +61 (7) 3722 3822
Email: info@wpa-us.com.au
Emergency Contact: Australian Poisons Information Centre 13 11 26
Call CHEMTREC Day or Night 1-800-424-9300 / +1 703-527-3887

2. HAZARDS IDENTIFICATION

Statement of hazardous / dangerous nature: This material is hazardous according to the criteria of Safe Work Australia GHS 7



SIGNAL WORD

Danger

HAZARD CLASSIFICATIONS

Eye Damage/Irritation – Category 2A

Reproductive Toxicity – Category 1B

HAZARD STATEMENTS

H319 Causes serious eye irritation.

H360 May Damage fertility or the unborn child.

PREVENTION PRECAUTIONARY STATEMENTS

P102 Keep out of reach of children.

P103 Read label before use.

P201 Obtain special instructions before use.

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P202 Do not Handle until all safety precautions have been read and understood.

P264 Wash Hands, face, and all exposed skin thoroughly after handling

P281 Use personal protective equipment as required..

RESPONSE PRECAUTIONARY STATEMENTS

P101 If medical advice is needed, have product container or label at hand.

P305+P351

+P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P308+P313 If exposed or concerned: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

STORAGE PRECAUTIONARY STATEMENTS

P405 Store locked up.

POISON SCHEDULE

S6. Poison

DANGEROUS GOOD CLASSIFICATION

Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

Dangerous Goods Class: 9

Australian Special Provisions; AU01: Environmentally Hazardous Substances meeting the description of UN 3077 or UN 3082 are not subject to this Code (ADG 07) when transported by road or rail in;

(a) packagings that do not incorporate a receptacle exceeding 500 Kg (L); or

(b) IBCs

Classified as a C2 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS 1940. Refer to State Regulations for storage and transport requirements.

3. COMPOSITION INFORMATION

Chemical Name	CAS Number	Proportion
1,2-Benzenedicarboxylic acid, dibutyl ester	87-74-2	30-60 %
Phosphoric acid, triethyl ester	78-40-0	1-10 %
Acetone	67-64-1	1-10 %
Isocyanic acid, polymethylenepolyphenylene ester	9016-87-9	30-60 %
Ingredients determined to be Non-Hazardous		Balance

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

Inhalation

Effects may be delayed. Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If breathing laboured and patient cyanotic (blue), ensure airways are clear and have a qualified person give oxygen through a facemask. If breathing has stopped apply artificial respiration at once. In the event of cardiac arrest, apply external cardiac massage. Seek immediate medical advice.

Ingestion

Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.

Skin Contact

Effects may be delayed. If skin or hair contact occurs, immediately remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre or a Doctor; or for 15 minutes and transport to Doctor or Hospital.

Eye Contact

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a Doctor; or for at least 15 minutes and transport to Doctor or Hospital.

PPE for First Aiders

Wear safety shoes, overalls, gloves, safety glasses. Available information suggests that gloves made from should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or reusing.

Notes to Physician

Treat symptomatically. Effects may be delayed.

5. FIRE FIGHTING MEASURES**Hazchem Code**

• 3Z

Extinguishing Media

If material is involved in a fire use alcohol resistant foam or dry agent (carbon dioxide, dry chemical powder).

Specific Hazards

Combustible material.

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Firefighting Further Advice

On burning or decomposing may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion or decomposition.

6. ACCIDENTAL RELEASE MEASURES

Small Spills

Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours or dust. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.

Large Spills

Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of dust. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand, or other inert material). Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services.

Precautions for clean-up crew

Slippery when spilt. Avoid accidents, clean up immediately.

Dangerous Goods - Initial Emergency Response Guide No: 47

7. HANDLING AND STORAGE

Handling

Employ safe lifting techniques. Avoid eye contact and skin contact. Wear appropriate personal protective equipment. Workers should wash hands and face before eating, drinking, and smoking. Avoid inhalation of vapour, mist or aerosols.

Storage

Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Store locked up. Keep container standing upright. Keep containers closed when not in use - check regularly for leaks.

Classified as a C2 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS 1940. Refer to State Regulations for storage and transport requirements.

This material is classified as a Class 9 Miscellaneous Dangerous Good as per the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and/or the "New Zealand NZS5433: Transport of Dangerous Goods on Land" and must be stored in accordance with the relevant regulations. This material is a Scheduled Poison Schedule 6 (Poison) and must be stored, maintained, and used in accordance with the relevant regulations.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

	TWA		STEL		NOTICES
	ppm	mg/m3	ppm	mg/m3	
Acetone	500	1185	1000	2375	-
Dibutyl phthalate	-	5	-	-	-
Isocyanates, all (as-NCO)	-	0.02	-	0.07	Sen

As published by Safe Work Australia. TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

'Sen' Notice - sensitiser. The substance can cause a specific immune response in some people. An affected individual may subsequently react to exposure to minute levels of that substance.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept too as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

Biological Limit Values

As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" the following ingredients in this material requires Health Surveillance.

Isocyanates

For detailed information see "Guidelines for Health Surveillance (Safe Work Australia)"

Engineering Measures

Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use only in well-ventilated areas. Use with local exhaust ventilation or while wearing appropriate respirator. Vapour heavier than air - prevent concentration in hollows or sumps. Do NOT enter confined spaces where vapour may have collected.

Personal Protective Equipment

SAFETY SHOES, OVERALLS, GLOVES, CHEMICAL GOGGLES, AIR MASK

Wear safety shoes, overalls, gloves, chemical goggles, air mask. Use with adequate ventilation. If inhalation risk exists, wear air-supplied mask meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact.

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However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

Hygiene Measures

Keep away from food, drink, and animal feeding stuffs. When using do not eat, drink, or smoke. Wash hands prior to eating, drinking, or smoking. Avoid contact with clothing. Avoid eye contact and skin contact. Avoid inhalation of dust. Ensure that eyewash stations and safety showers are close to the workstation location.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Base Units:	Kilogram
Colour:	Amber
Odour:	Aromatic
Solubility in water:	No Available
Specific Gravity:	No Available
Relative Vapour Density (air=1):	>1
Vapour Pressure:	No Available
Flash Point (°C):	>95
Flammability Limits (%):	No Available
Autoignition Temperature:	No Available
Melting Point:	No Available
Boiling Point:	No Available
Total VOC (g/Litre):	No Available
Viscosity:	40-60 mPa.s

10. STABILITY AND REACTIVITY

Chemical Stability:	This material is thermally stable when stored and used as directed.
Conditions to avoid:	Elevated temperatures and sources of ignition.
Materials to avoid:	Oxidising agents.
Hazardous decomposition products:	Oxides of carbon and nitrogen, smoke, and other toxic fumes.
Hazardous reactions:	No known hazardous reactions.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Safety Data Sheet ISSUED MAY 2023**Hazardous Substance, Non - Dangerous Goods Australia****ACUTE EFFECTS****Inhalation**

Material may be an irritant to mucous membranes and respiratory tract. A respiratory sensitiser. Can cause possible allergic reactions.

Skin Contact

Contact with skin will result in irritation. A skin sensitiser. Repeated or prolonged skin contact may lead to allergic contact dermatitis.

Ingestion

Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.

Eye contact

An eye irritant.

ACUTE TOXICITY**Inhalation**

This material has been classified as a Category 4 Hazard. Acute toxicity estimate (based on ingredients): $10.0 < LC50 \leq 20.0$ mg/L for vapours or $1.0 < LC50 \leq 5.0$ mg/L for dust and mist.

Skin Contact

This material has been classified as not hazardous for acute dermal exposure. Acute toxicity estimate (based on ingredients): $LD50 > 2,000$ mg/Kg bw

Ingestion

This material has been classified as not hazardous for acute ingestion exposure. Acute toxicity estimate (based on ingredients): $LD50 > 2,000$ mg/Kg bw

Corrosion/Irritancy

Eye: this material has been classified as a Category 2A Hazard (reversible effects to eyes).

Skin: this material has been classified as a Category 2 Hazard (reversible effects to skin)

Sensitisation

Inhalation: this material has been classified as not a respiratory sensitiser. Skin: this material has been classified as not a skin sensitiser.

Aspiration Hazard

This material has been classified as non-hazardous.

Specific target organ toxicity (single exposure)

This material has been classified as not a specific hazard to target organs by a single exposure.

CHRONIC TOXICITY**Mutagenicity**

This material has been classified as not a mutagen.

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Carcinogenicity

This material has been classified as not a carcinogen.

Reproductive toxicity (including via lactation)

This material has been classified as a Category 1B Hazard.

Specific target organ toxicity (repeat exposure)

This material has been classified as not a specific hazard to target organs by repeat exposure.

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways

Acute aquatic hazard

This material has been classified as a Category Acute 1 Hazard. Acute toxicity estimate (based on ingredients): <1 mg/L

Long-term aquatic hazard

This material has been classified as not hazardous for chronic aquatic exposure. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data, Acute toxicity estimate (based on ingredients): >100 mg/L, where the substance is not rapidly degradable and/or BCF < 500 and/or log Kow < 4

Ecotoxicity

No information available.

Persistence and degradability

No information available

Bioaccumulative potential

No information available.

Mobility

No information available.

13. DISPOSAL CONSIDERATIONS

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8: Exposure Controls and Personal Protection" of this SDS. If possible, material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional, national and international Regulations.

14. TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT

Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

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Australian Special Provisions; AU01: Environmentally Hazardous Substances meeting the description of UN 3077 or UN 3082 are not subject to this Code (ADG 07) when transported by road or rail in;

- (a) packagings that do not incorporate a receptacle exceeding 500 Kg (L); or (b)
- (b) BCs.

UN No:	3082
Dangerous Goods Class:	9
Packing Group:	III
Hazchem Code:	•3Z
Emergency Response Guide No:	47
Limited Quantities:	5 L
Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DIBUTYL PHTHALATE)



Segregation Dangerous Goods:

Not to be loaded with explosives (Class 1). Note 1: Materials that are fire risks are incompatible with oxidising agents (Class 5.1) or organic peroxides (Class 5.2). Exemptions may apply.

MARINE TRANSPORT

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea. This material is classified as a Marine Pollutant (P) according to the International Maritime Dangerous Goods Code.

UN No:	3082
Dangerous Goods Class:	9
Packing Group:	III
Limited Quantities:	5 L
Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DIBUTYL PHTHALATE)



AIR TRANSPORT

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

UN No:	3082
Dangerous Goods Class:	9
Packing Group:	III
Limited Quantities:	30 Kg G
Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DIBUTYL PHTHALATE)



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15. REGULATORY INFORMATION

This material is not subject to the following international agreements:

- Montreal Protocol (Ozone depleting substances)
- The Stockholm Convention (Persistent Organic Pollutants)
- The Rotterdam Convention (Prior Informed Consent)

This material/constituent(s) is covered by the following requirements:

- Basel Convention (Hazardous Waste)
 - Wastes from production, formulation and use of resins, latex, plasticizers, glues/adhesives
- International Convention for the Prevention of Pollution from Ships (MARPOL)
 - Annex III – Harmful Substances carried in Packaged Form

This material/constituent(s) is covered by the following requirements:

- The Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) established under the Therapeutic Goods Act (Commonwealth): S6. Poison
- AICIS Status: AICIS Status: Formulations where all components are AICS listed.

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.wpa-us.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. Waterproofing Products Australia 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 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.

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DOCUMENT CONTROL	
Product	WPA PUR GT103
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Author	ME

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