# Safety Data Sheet

## Hazardous, NON-Dangerous Goods

## 1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

**Product name:** WP FLEX PART A

**Synonyms** WP Flex Part A 20KG

**Product Code** WPFLEXA20

**Recommended use:** Cementitious flexible waterproofing membrane – powder component.

**Supplier:**
Tam Australia Pty Ltd

**ABN:** 35 637 639 251

**Street Address:**
314 Glen Osmond Road,

Myrtle Bank, SA 5064

Australia

**Website** tamaustralia.com.au

**Emergency Telephone number:** Australia – 131 126, New Zealand 0800 764 766

## 2. HAZARDS IDENTIFICATION

**This material is hazardous according to the criteria of Safe Work Australia GHS 7.**

**Signal Word**

Warning

**Hazard Classifications**

Acute Toxicity – Inhalation – Category 4

Skin Corrosion/Irritation – Category 2

Eye Damage/Irritation – Category 2A

Sensitisation – Skin – Category 1

Specific Target Organ Toxicity (Repeated Exposure) – Category 2

**Hazard Statements**

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H373 May cause damage to organs through prolonged or repeated exposure.

**Prevention Precautionary Statements**

P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Response Precautionary Statements**

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

**Poison Schedule:** Not Applicable

**DANGEROUS GOOD CLASSIFICATION**

Not classified as a Dangerous Good 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".

## 3. COMPOSITION INFORMATION

| CHEMICAL ENTITY | CAS NO | PROPORTION | CLASSIFICATION |
|---|---|---|---|
| Crystalline Silica (Quartz) | 14808-60-7 | 30-60% | Acute Tox. 4 (H332); Eye Irrit. 2A (H319); Skin Sens. 1 (H317); STOT RE 2 (H373) |
| Silica Flour | 14808-60-7 | 30-60% | STOT RE 2 (H373) |
| Portland Cement | 65997-15-1 | 10-30% | Skin Irrit. 2 (H315); Eye Irrit. 2A (H319); STOT SE 3 (H335); STOT RE 2 (H373) |

*The full text for all hazard statements is displayed in Section 16.*

## 4. FIRST AID MEASURES

**General information:** Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention. Treat symptomatically.

**Inhalation:** Get medical attention immediately. Move affected person to fresh air and keep at rest in a position comfortable for breathing. Do not induce vomiting.

**Ingestion:** Get medical attention immediately. If throat irritation or coughing persists, rinse mouth thoroughly with water. Promptly get affected person to drink large volumes of water to dilute the swallowed material. Stop if the affected person feels sick, as vomiting may be dangerous. If vomiting occurs, keep the head low so vomit does not enter the lungs.

**Skin Contact:** Rinse immediately with plenty of water. Continue to rinse for at least 10 minutes. Remove contaminated clothing. Get medical attention if irritation persists after washing.

**Eye contact:** Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention. May cause permanent damage if eye is not immediately irrigated.

**Protection of first aiders:** First aid personnel should wear appropriate protective equipment during any rescue.

**Notes to physician:** Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

**Suitable extinguishing media:** Use fire-extinguishing media suitable for the surrounding fire.

**Specific hazards:** The product is not flammable. The product is non-combustible.

**Hazardous combustion products:** None under normal conditions.

**Fire fighting further advice:** No action shall be taken without appropriate training or involving any personal risk. Evacuate area. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. PVC boots, gloves, safety helmet and protective clothing should be worn.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Wear protective clothing as described in Section 8. Avoid contact with skin and eyes. Avoid inhalation of dust. If ventilation is inadequate, suitable respiratory protection must be worn.

**Environmental precautions:** Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. Do not discharge into drains, watercourses or onto the ground.

**Methods for cleaning up:** If leakage cannot be stopped, evacuate area and move containers from spillage area. For large spillages, collect and place in suitable waste disposal containers and seal securely. Absorb small quantities with paper towels. Remove spillage with a vacuum cleaner or collect with a shovel and broom, or similar. Dispose of waste to a licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## 7. HANDLING AND STORAGE

**Handling:** Read and follow manufacturer's recommendations. Avoid contact with skin and eyes. Avoid handling which leads to dust formation. Take precautionary measures against static discharges. Do not eat, drink or smoke when using this product. Provide an eyewash station. Wash promptly with soap and water if skin becomes contaminated.

**Storage:** Store at temperatures between 10°C and 45°C. Store in a tightly-closed, original container in a dry, cool and well-ventilated place. Do not store near heat sources or expose to high temperatures. Protect from moisture.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**National occupational exposure limits:**

| Substance | TWA (8-hour) | STEL |
|---|---|---|
| Crystalline Silica (Quartz), respirable dust | 0.1 mg/m³ (SWA, Aust.) | Not established |
| Portland Cement | 10 mg/m³ (SWA, Aust.) | 10 mg/m³ (15-minute) |

*Trace constituents within Portland Cement also have Safe Work Australia exposure standards: Calcium carbonate (limestone/marble/whiting) 10 mg/m³; Calcium oxide 2 mg/m³; Chromium (VI) compounds (as Cr) 0.05 mg/m³; Gypsum (calcium sulphate) 10 mg/m³; Magnesium oxide (fume) 10 mg/m³.*

**Engineering Measures:** Provide adequate ventilation.

**Personal Protection Equipment:** Use protective clothing, hand gloves and goggles.

**Eye/face protection:** Use safety glasses (with side shields), consistent with EN 166 or equivalent.

**Hand protection:** Gloves should comply with Australia/New Zealand Standard AS/NZS 2161. Recommended material: nitrile rubber.

**Other skin and body protection:** Wear appropriate clothing to prevent skin contamination. Provide an eyewash station.

**Respiratory protection:** If ventilation is inadequate, suitable respiratory protection must be worn.

**Hygiene measures:** Wash hands thoroughly after handling. Promptly remove any clothing that becomes contaminated. Do not eat, drink or smoke when using this product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| **Appearance:** | Powder / dust |
| **Colour:** | Grey; white/off-white |
| **Odour:** | Almost odourless |
| **pH:** | Not applicable |
| **Melting Point:** | Not applicable |
| **Boiling Point/Range:** | Not determined |

| | |
|---|---|
| **Flash Point:** | Not determined |
| **Flammability (solid, gas):** | Not applicable |
| **Vapour Pressure:** | Not determined |
| **Relative Density:** | Not applicable |
| **Solubility:** | Not determined |
| **Auto-ignition Temperature:** | Not determined |
| **Explosive Properties:** | Not applicable (not considered to be explosive) |
| **Oxidising Properties:** | Not applicable |

## 10. STABILITY AND REACTIVITY

**Reactivity:** There are no known reactivity hazards associated with this product.

**Stability:** Stable at normal ambient temperatures and when used as recommended.

**Possibility of hazardous reactions:** Under normal conditions of storage and use, no hazardous reactions will occur.

**Conditions to avoid:** Avoid exposure to high temperatures or direct sunlight. When exposed to air, this product will absorb moisture.

**Materials to avoid:** Avoid contact with strong acids, water and moisture.

**Hazardous decomposition products:** None at ambient temperatures.

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity – inhalation:** ATE inhalation (dusts/mists): 3.83 mg/l.

**Skin corrosion/irritation:** Cement in contact with wet skin may cause thickening, cracking or fissuring of the skin. Prolonged contact in combination with abrasion may cause severe burns. Prolonged and frequent contact may cause redness and irritation.

**Serious eye damage/irritation:** Direct contact may cause corneal damage by immediate or delayed irritation or inflammation. Direct contact by larger amounts of dry product or splashes of wet product may cause moderate eye irritation up to chemical burns and blindness.

**Respiratory sensitisation:** Based on available data, the classification criteria are not met.

**Skin sensitisation:** Some individuals may develop eczema upon exposure to wet cement dust, caused either by the high pH which induces irritant contact dermatitis after prolonged contact, or by an immunological reaction to soluble Cr(VI) which elicits allergic contact dermatitis.

**Germ cell mutagenicity, Carcinogenicity, Reproductive toxicity:** Based on available data, the classification criteria are not met for each of these endpoints.

**STOT – repeated exposure:** Based on available data, the classification criteria are not met beyond the STOT RE 2 classification noted in Section 3 for the silica and cement components.

**Inhalation:** May cause damage to mucous membranes in the nose, throat, lungs and bronchial system.

**Ingestion:** May cause discomfort if swallowed.

**Eye contact:** Risk of serious damage to eyes. Contact with concentrated material may very rapidly cause severe eye damage, possibly loss of sight.

## 12. ECOLOGICAL INFORMATION

**Toxicity:** The product is not classified as hazardous to the environment. Ecotoxicological tests with Portland cement on Daphnia magna and Selenastrum coli have shown little toxicological impact; LC50 and EC50 values could not be determined. There is no indication of sediment phase toxicity. The addition of large amounts of cement to water may, however, cause a rise in pH and may therefore be toxic to aquatic life under certain circumstances.

**Persistence and degradability:** No data available on the mixture itself.

**Bioaccumulative potential:** The product does not contain any substances expected to be bioaccumulating.

**Mobility:** The product hardens to a solid, immobile substance.

## 13. DISPOSAL CONSIDERATIONS

Dispose of waste to a licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Dispose of contents/container in accordance with national regulations. Waste should be treated as controlled waste.

## 14. TRANSPORT INFORMATION

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADG).

**UN Number:** Not applicable.

**UN Proper Shipping Name:** Not applicable.

**Transport Hazard Class(es):** No transport warning sign required.

**Packing Group:** Not applicable.

**Environmentally hazardous substance/marine pollutant:** No.

## 15. REGULATORY INFORMATION

**Guidance:** Workplace Exposure Limits, as published by Safe Work Australia.

**AICIS Status:** All components of this product are expected to be listed on or exempt from the Australian Inventory of Industrial Chemicals (AIIC). [confirm]

**NZ EPA Status:** All components of this product are expected to be listed on or exempt from the New Zealand Inventory of Chemicals (NZIoC). [confirm]

## 16. OTHER INFORMATION

**Reason for issue:** New – converted from raw material/finished product supplier SDS data and reformatted for WP FLEX PART A.

Only trained personnel should use this material.

**Hazard statements in full (referred to in Section 3):**

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since the company cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this SDS in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.

# Safety Data Sheet

## NON-Hazardous, NON-Dangerous Goods

### 1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

**Product name:** WP FLEX PART B

**Synonyms** WP Flex Part B 10KG

**Product Code** WPFLEXB10

**Recommended use:** Cementitious flexible waterproofing membrane – liquid component.

**Supplier:**
Tam Australia Pty Ltd

**ABN:** 35 637 639 251

**Street Address:**
314 Glen Osmond Road,

Myrtle Bank, SA 5064

Australia

**Website** tamaustralia.com.au

**Emergency Telephone number:** Australia – 131 126, New Zealand 0800 764 766

### 2. HAZARDS IDENTIFICATION

**Based on available information, this material is not classified as hazardous according to the criteria of Safe Work Australia.**

**Hazard Classifications**
Physical hazards – Not Classified

Health hazards – Not Classified

Environmental hazards – Not Classified

**Hazard statements:** Not Classified.

**Poison Schedule:** Not Applicable

**DANGEROUS GOOD CLASSIFICATION**
Not classified as a Dangerous Good 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".

### 3. COMPOSITION INFORMATION

No classified ingredients, or those having occupational exposure limits, are present above the levels of disclosure.

### 4. FIRST AID MEASURES

**General information:** Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention. Treat symptomatically.

**Inhalation:** Get medical attention immediately. Move affected person to fresh air and keep at rest in a position comfortable for breathing. Do not induce vomiting.

**Ingestion:** Get medical attention immediately. If throat irritation or coughing persists, rinse mouth thoroughly with water. Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. Stop if the affected person feels sick, as vomiting may be dangerous. If vomiting occurs, keep the head low so vomit does not enter the lungs.

**Skin Contact:** Rinse immediately with plenty of water. Continue to rinse for at least 10 minutes. Remove contaminated clothing. Get medical attention if irritation persists after washing.

**Eye contact:** Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention. Get medical attention if irritation persists after washing.

**Protection of first aiders:** First aid personnel should wear appropriate protective equipment during any rescue.

**Notes to physician:** Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

**Suitable extinguishing media:** Use fire-extinguishing media suitable for the surrounding fire. Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.

**Specific hazards:** The product is not flammable. Irritating gases or vapours may be produced in a fire.

**Hazardous combustion products:** Irritating gases or vapours.

**Fire fighting further advice:** No action shall be taken without appropriate training or involving any personal risk. Stop leak if safe to do so. If leakage cannot be stopped, evacuate area. Use air-supplied respirator, gloves and protective goggles.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** No action shall be taken without appropriate training or involving any personal risk. Keep unnecessary and unprotected personnel away from the spillage. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapours.

**Environmental precautions:** Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

**Methods for cleaning up:** If leakage cannot be stopped, evacuate area and move containers from spillage area. For large spillages, absorb with sand or other inert absorbent, collect and place in suitable waste disposal containers and seal securely. Absorb small quantities with paper towels and evaporate in a safe place. Dispose of waste to a licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## 7. HANDLING AND STORAGE

**Handling:** For professional users only. Do not handle until all safety precautions have been read and understood. Use only in well-ventilated areas. Protect from moisture. Keep container dry and tightly closed when not in use. Do not eat, drink or smoke when using this product. Provide an eyewash station.

**Storage:** Store at temperatures between 10°C and 45°C. Store in a tightly-closed, original container in a dry, cool and well-ventilated place. Do not store near heat sources or expose to high temperatures. Store away from strong acids and alkalis.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**National occupational exposure limits:** No exposure limits known for the ingredients.

**Engineering Measures:** Provide adequate ventilation.

**Personal Protection Equipment:** Use protective clothing, hand gloves and goggles.

**Eye/face protection:** Use safety glasses (with side shields), consistent with EN 166 or equivalent.

**Hand protection:** Gloves should comply with Australia/New Zealand Standard AS/NZS 2161. Recommended materials: nitrile rubber, butyl rubber.

**Other skin and body protection:** Wear appropriate clothing to prevent skin contamination.

**Respiratory protection:** If ventilation is inadequate, suitable respiratory protection must be worn.

**Hygiene measures:** Wash hands thoroughly after handling. Promptly remove any clothing that becomes contaminated. Do not eat, drink or smoke when using this product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| **Appearance:** | Coloured liquid |
| **Colour:** | White |
| **Odour:** | Characteristic |
| **pH:** | Not available |
| **Melting Point:** | Not applicable |
| **Boiling Point/Range:** | Not determined |
| **Flash Point:** | Not determined |
| **Flammability (solid, gas):** | Not applicable |
| **Vapour Pressure:** | Not determined |
| **Relative Density:** | Not applicable |
| **Density:** | 1.04 g/cm³ |
| **Viscosity:** | 40 – 100 mPa·s @ 20°C |
| **Solubility:** | Not determined |
| **Auto-ignition Temperature:** | Not determined |
| **Explosive Properties:** | Not applicable (not considered to be explosive) |
| **Oxidising Properties:** | Not applicable |

## 10. STABILITY AND REACTIVITY

**Reactivity:** There are no known reactivity hazards associated with this product.

**Stability:** Stable at normal ambient temperatures and when used as recommended.

**Possibility of hazardous reactions:** No potentially hazardous reactions known.

**Conditions to avoid:** Avoid exposure to high temperatures or direct sunlight.

**Materials to avoid:** Avoid contact with strong acids and strong alkalis.

**Hazardous decomposition products:** Carbon dioxide (CO2), carbon monoxide (CO), nitrous gases (NOx).

## 11. TOXICOLOGICAL INFORMATION

**Toxicological effects:** No information available.

**Acute toxicity (oral, dermal, inhalation):** No information available.

**Skin corrosion/irritation:** No information available. May cause skin irritation.

**Serious eye damage/irritation:** No information available. May cause irritation.

**Respiratory and skin sensitisation:** No information available.

**Germ cell mutagenicity, Carcinogenicity, Reproductive toxicity:** No information available.

**STOT (single and repeated exposure):** No information available.

**Ingestion:** May cause stomach pain or vomiting. May cause irritation. Gastrointestinal symptoms, including upset stomach.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** There are no data on the ecotoxicity of this product.

**Persistence and degradability:** No data available.

**Bioaccumulative potential:** Not available.

**Mobility:** Not determined.

## 13. DISPOSAL CONSIDERATIONS

Dispose of waste to a licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Dispose of contents/container in accordance with national regulations. Waste should be treated as controlled waste.

## 14. TRANSPORT INFORMATION

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADG).

**UN Number:** Not applicable.

**UN Proper Shipping Name:** Not applicable.

**Transport Hazard Class(es):** No transport warning sign required.

**Packing Group:** Not applicable.

**Environmentally hazardous substance/marine pollutant:** No.

## 15. REGULATORY INFORMATION

**Guidance:** Workplace Exposure Limits, as published by Safe Work Australia.

**AICIS Status:** All components of this product are expected to be listed on or exempt from the Australian Inventory of Industrial Chemicals (AIIC). [confirm]

**NZ EPA Status:** All components of this product are expected to be listed on or exempt from the New Zealand Inventory of Chemicals (NZIoC). [confirm]

## 16. OTHER INFORMATION

**Reason for issue:** New – converted from raw material/finished product supplier SDS data and reformatted for WP FLEX PART B.

Only trained personnel should use this material.

This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since the company cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this SDS in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.