

Hazardous, NON-Dangerous Goods

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: **GALAXIE WP CONCENTRATE**

Synonyms

Galaxie WP Conc20kg

Product Code

GALCONC

Recommended use: Crystalline waterproofing penetrative coating.

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

Danger

Hazard Classifications

Skin corrosion/irritation – Category 2 (causes skin irritation)
Serious eye damage – Category 1 (causes serious eye damage)
Specific target organ toxicity (single exposure) – Category 3 (may cause respiratory irritation)
Skin sensitisation – Category 1 (may cause an allergic skin reaction)
Carcinogenicity – Category 1A (may cause cancer through prolonged or repeated inhalation of respirable dust)
Specific target organ toxicity (repeated exposure) – Category 1 (causes damage to lungs through prolonged or repeated inhalation of respirable dust)

Hazard Statements

H315 Causes skin irritation
H317 May cause an allergic skin reaction
H318 Causes serious eye damage
H335 May cause respiratory irritation
H350 May cause cancer (through prolonged or repeated inhalation of respirable dust)
H372 Causes damage to lungs through prolonged or repeated exposure (by inhalation of respirable dust)

Prevention Precautionary Statements

P260 Do not breathe dust.
P264 Wash thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Safety Data Sheet

Response Precautionary Statements

P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P342+P311 If experiencing respiratory symptoms: Call a POISON CENTRE/doctor.
P362+P364 Take off contaminated clothing and wash it before reuse.

Storage Precautionary Statements

P405 Store locked up.
P402+P404 Store in a dry place. Store in a closed container.

General Precautionary Statement

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
P501 Dispose of contents/container in accordance with local, regional, national and international regulations.

Poison Schedule: Not Scheduled (SUSMP)

DANGEROUS GOOD CLASSIFICATION

Not 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".

3. COMPOSITION INFORMATION

CHEMICAL ENTITY	CAS NO	PROPORTION
General Purpose Cement (Portland Cement)	65997-15-1	40 – 70% (w/w)
Silica Sand (contains crystalline silica)	14808-60-7	1 – 10% (w/w)
Hydrated Lime (Calcium Hydroxide)	1305-62-0	1 – 10% (w/w)
RM039*	Trade Secret	10-20 % (w/w)
RM041*	Trade Secret	5-15 % (w/w)
		100%

*The specific chemical identity, CAS number and exact percentage (concentration) of composition of these components have been withheld as a trade secret in accordance with the Safe Work Australia Code of Practice: Preparation of Safety Data Sheets for Hazardous Chemicals. The specific chemical identity and concentration will be disclosed to a treating medical professional in the event of a medical emergency, or to a regulator upon substantiated request.

4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Dust may cause respiratory tract irritation and coughing. Seek medical attention if health effects develop or persist. Repeated or prolonged inhalation of respirable crystalline silica dust may cause serious, delayed lung injury (silicosis) – seek medical advice if any respiratory symptoms develop, even after ceasing exposure.

Skin Contact: Immediately remove contaminated clothing and wash affected skin with plenty of water. Continue washing for at least 15 minutes. Seek medical attention if irritation, redness or a rash develops or persists.

Eye contact: Hold eyelids apart and flush the eyes continuously with running water for at least 15 minutes, or until advised to stop by the Poisons Information Centre or a doctor. Remove contact lenses if present and easy to

Safety Data Sheet

do so. Seek medical attention if irritation develops.

Ingestion: Immediately rinse mouth with water and repeat until the product is thoroughly removed. Give water to drink. Do NOT induce vomiting due to risk of further damage. If vomiting occurs, give further water. Seek medical attention.

PPE for First Aiders: Wear chemical resistant gloves, chemical goggles and protective clothing. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

Notes to physician: Treat symptomatically. This product is alkaline (cementitious); treat skin and eye exposure as for a strong alkali. Where inhalation of respirable crystalline silica has occurred repeatedly over time, refer for chest X-ray/respiratory function assessment as clinically indicated.

5. FIRE FIGHTING MEASURES

Hazchem Code: Not applicable.

Suitable extinguishing media: This product is non-combustible. Use extinguishing media suitable for the surrounding fire.

Specific hazards: Not combustible. Does not burn. No unusual fire or explosion hazards noted.

Fire fighting further advice: Fire fighters should wear full protective clothing including self-contained breathing apparatus (SCBA) to avoid inhalation of dust generated by fire fighting activities in the vicinity of this product.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILLS

Avoid generating and inhaling dust. Sweep or vacuum (using a vacuum fitted with a HEPA filter) and place in a suitable, labelled container for disposal. Avoid dry sweeping where practicable.

LARGE SPILLS

Keep unnecessary people away; isolate the hazard area and deny entry. Avoid generating dust. Prevent entry into waterways, drains or sewers. Collect using dust-suppression methods (e.g. damping down) or a vacuum fitted with a HEPA filter. Dispose of collected material in accordance with Section 13. Persons involved in clean-up should wear PPE as described in Section 8, including respiratory protection where dust generation cannot be avoided.

Dangerous Goods – Initial Emergency Response Guide No: Not applicable

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin and clothing. Avoid generating and breathing dust. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only in well-ventilated areas or with local exhaust ventilation/dust extraction.

Storage: Store in the original, tightly closed container in a dry, cool, well-ventilated area, away from direct sunlight. Keep away from food and drink. Store locked up and out of reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National occupational exposure limits:

	TWA	STEL
General Purpose Cement	10 mg/m ³ (inspirable dust); 3 mg/m ³ (respirable dust)	Not established
Silica, crystalline (respirable dust fraction)	0.05 mg/m ³	Not established

Safety Data Sheet

	TWA	STEL
Calcium Hydroxide	5 mg/m ³	Not established
RM039-TS	Not applicable	Not applicable
RM044-TS	Not applicable	Not applicable

As published by Safe Work Australia (Workplace Exposure Standards for Airborne Contaminants). The exposure standard for respirable crystalline silica applies regardless of which raw material it is derived from.

Biological Limit Values: Not allocated for the ingredients in this material.

Engineering Measures: Use local exhaust ventilation or dust extraction at the point of dust generation. Avoid dry sweeping; use wet methods or HEPA vacuum where practicable.

Personal Protection Equipment: CHEMICAL GOGGLES / FACE SHIELD, CHEMICAL RESISTANT GLOVES, PROTECTIVE CLOTHING, P2 (OR HIGHER) RESPIRATORY PROTECTION WHEN DUST IS GENERATED.

Eye/Face: Wear chemical resistant goggles; ensure a suitable eyewash station is nearby. **Skin/Body:** wear protective clothing covering all exposed skin. **Hand:** wear chemical resistant gloves. **Respiratory:** where dust generation cannot be controlled by ventilation, wear a properly fitted P2 (or higher) particulate respirator selected and used in accordance with AS/NZS 1715 and AS/NZS 1716.

Hygiene measures: Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke when using this product. Wash hands before eating, drinking or smoking. Avoid contact with clothing. Ensure eyewash stations and safety showers are close to the workstation location.

WA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Powder
Colour:	Grey
Odour:	Odourless
Solubility:	Partially soluble in water (reacts)
Specific Gravity:	2.6 – 3.1
Solids Content:	100%
Relative Vapour Density (air=1):	Not applicable
Vapour Pressure:	Not determined
Flash Point (°C):	N App (non-combustible solid)
Flammability Limits (%):	N App
Autoignition Temperature (°C):	N App
Melting Point/Range (°C):	<1000
pH:	11 – 13 (10% aqueous suspension)
Total VOC (g/Litre):	0

(Typical values only – consult specification sheet. N App = Not applicable)

(Typical values only - consult specification sheet)

N Av = Not available, N App = Not applicable

10. STABILITY AND REACTIVITY

Chemical stability: Stable under normal storage and handling conditions when kept dry.

Conditions to avoid: Moisture and prolonged exposure to humid air prior to use.

Incompatible materials: Strong acids. Reacts exothermically with water.

Hazardous decomposition products: None known under normal conditions of use.

Hazardous reactions: Reacts exothermically with water; sets and hardens. Do not mix with

strong acids.

11. TOXICOLOGICAL INFORMATION

Acute Effects

Inhalation: Dust may cause respiratory tract irritation, coughing and shortness of breath.

Skin contact: Irritating to skin; may cause redness and drying. Prolonged or repeated contact, particularly with wet cement/product, can cause serious skin burns.

Ingestion: May cause irritation to the mouth, throat and stomach.

Eye contact: A severe eye irritant. May cause conjunctivitis and possible corneal damage.

Chronic Toxicity

Carcinogenicity: Contains crystalline silica. Respirable crystalline silica is classified by IARC as a Group 1 carcinogen (carcinogenic to humans) based on occupational exposure to respirable dust from quarrying, mining and stone-related industries. Risk is associated with long-term, repeated inhalation of airborne respirable dust and is controlled through the exposure controls in Section 8.

Skin sensitisation: Portland cement may contain trace hexavalent chromium, which can cause allergic contact dermatitis in sensitised individuals.

Specific target organ toxicity (repeated exposure): Prolonged or repeated inhalation of respirable crystalline silica dust may cause silicosis, a disabling and potentially fatal lung disease.

Mutagenicity / Reproductive toxicity: Not classified based on available data.

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways. This product is alkaline; avoid discharge of uncured material to waterways, as elevated pH may be harmful to aquatic organisms.

Persistence and degradability: Not applicable (inorganic mixture).

Bioaccumulative potential: Not expected to bioaccumulate.

Mobility: Cured product is not mobile. Uncured/uncontained material may be mobile as a suspended solid until it sets.

13. DISPOSAL CONSIDERATIONS

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protective equipment is used – see Section 8 of this SDS.

Dispose of in accordance with Local, State & Federal EPA waste regulations. Normally suitable for disposal at an approved landfill site after dilution or neutralisation. Not suitable for incineration.

14. TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT

Not 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".

MARINE TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

AIR TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

15. REGULATORY INFORMATION

This material is not subject to the following international agreements:

Montreal Protocol (Ozone depleting substances)

The Stockholm Convention (Persistent Organic Pollutants)

Safety Data Sheet



The Rotterdam Convention (Prior Informed Consent)
Basel Convention (Hazardous Waste)
International Convention for the Prevention of Pollution from Ships (MARPOL)

Poison Schedule: Not Scheduled (SUSMP).

AICIS Status: All components of this product are listed on or exempt from the Australian Inventory of Industrial Chemicals (AIIC).

NZ EPA Status: All components of this product are listed on or exempt from the New Zealand Inventory of Chemicals (NZIoC).

16. OTHER INFORMATION

Reason for issue: Revised

Safety Data Sheets are updated frequently. Please ensure that you have a current copy.

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.