SECTION 1. IDENTIFICATION

1.1 Product Identifier

Name of the Product: PSA Connection Grout **Product Code:** PCONGROUT

1.2 Recommended Use and Any Restrictions on Use

Use of Substance: Grout

1.3 Details of the Supplier of the Safety Data Sheet

Supplier: Plastic Solutions Australia
1257 Ferntree Gully Rd,
Scoresby VIC 3179

Telephone: (03) 9764 0031

1.4 Emergency Telephone Number

Emergency Telephone: 13 11 26 (Poisons Information Centres)

SECTION 2. HAZARD(S) IDENTIFICATION

2.1 Classification of the Substance or Mixture

GHS Classification

Skin corrosion/irritation - Category 2
Skin sensitization – Category 1B
Serious eye damage/irritation – Category 1
Specific target organ systemic toxicity (repeated exposure) – Category 2

2.2 Label Elements

Hazard Statements:

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H373	May cause damage to lungs and respiratory tract through prolonged or repeated exposure.

Signal Words: Danger

Hazard Pictograms:

Precautionary Statements:

P260:	Do not breathe dust.
P280:	Wear protective gloves/protective clothing/eye protection/face protection.
P302+352:	IF ON SKIN: Wash with plenty of soap and water.
P304+340:	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+338:	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.
P501:	Dispose of contents/container in accordance with relevant regulations.

2.3 Other Hazards

Other Hazards:

Some susceptible individuals may exhibit an allergic skin response upon exposure to Portland Cement, possibly due to trace amounts of chromium. Prolonged exposure to Portland Cement in the wet form can cause serious, potentially irreversible skin or eye damage in the form of chemical burns. The same serious injury can occur if wet or moist skin or eyes have prolonged contact exposure to dry Portland Cement.

A small proportion of the fine dust associated with this product will contain 'Respirable Crystalline Quartz' (RCQ). While the product is wet and being applied as per the directions on the package the amount of airborne RCQ will be minimal but it is still recommended that proper PPE is worn. Once dry any residues, grinding or strong abrasive forces may reintroduce RCQ into the air so caution should be taken.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Ingredient	Formula	Content	CAS No.
Portland Cement	Not Available	40 – 55%	65997-15-1
Crystalline Silica (Quartz)	SiO_2	40 - 60%	14808-60-7
Hexavalent Chromium (VI)	Cr6 +	Trace	18540-29-9
Gypsum	$CaSO_4$	1 – 4%	10101-41-4
Fly Ash	Not Available	0 – 3%	68131-74-8
Additives	Not Available	< 1%	-

The exact percentage of composition is withheld as a trade secret.

SECTION 4. FIRST AID MEASURES

4.1 Description of First Aid Measures

Skin Contact:	Remove heavily contaminated clothing immediately. Wash off skin thoroughly with water. A shower may be required. Seek medical attention for persistent irritation or burning of the skin.
Eye Contact:	Flush thoroughly with flowing water for at least 15 minutes and seek medical attention if symptoms persist. If wet cement is splashed into the eyes flush thoroughly with flowing water for 15 minutes and seek urgent medical attention.
Ingestion:	Rinse mouth and lips with water. Do not induce vomiting. Give water to drink to dilute stomach contents. If symptoms persist, seek medical attention.
Inhalation:	Remove from dusty area to fresh air. If symptoms persist, seek medical attention.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

Skin Contact:	Prolonged and repeated skin contact with cement in wet concrete, mortars and slurries may result in irritant dermatitis or alkaline burns.
Eye Contact:	Irritating to the eye. If wet cement is splashed into the eye alkaline burns can cause permanent damage.
Ingestion:	-
Inhalation:	Over exposure resulting from prolonged and repeated inhalation of dust containing crystalline silica can cause bronchitis, silicosis (scarring of the lung.) It may also increase the risk of scleroderma (a disease affecting the connective tissue of the skin, joints, blood vessels and internal organs) and lung cancer. Epidemiological studies have shown that smoking increases the risk of bronchitis, silicosis (scaring of the lung) and lung cancer in persons exposed to crystalline silica.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

Immediate/Special Treatment:	Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Extinguishing Media:	Non-flammable; use suitable extinguishing agent for surrounding fire.

5.2 Special Hazards Arising from the Substance or Mixture

Exposure Hazards:	No fire or explosion hazard exists.

5.3 Advice for Fire-Fighters

Advice for Fire-Fighters:	No fire or explosion hazard exists.

5.4 Hazchem Code

Hazchem Code:	None.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions: Refer to section 8 of the SDS for personal protection details.

6.2 Environmental Precautions

Environment Precautions: Prevent spill entering drains or waterways. Collect and place in sealable containers for disposal or reuse. Avoid generating dust.

6.3 Methods and Material for Containment and Cleaning Up

Clean Up Procedures: If spilt (bulk), contact emergency services if appropriate. Wear dust-proof goggles, PVC/rubber gloves, a Class P2 respirator (where an inhalation risk exists), coveralls and rubber boots. Clear area of all unprotected personnel.

6.4 Reference to Other Sections

Reference to Other Sections: Refer to section 8 of SDS.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Handling Requirements: Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

7.2 Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions: Store in a cool, dry, well-ventilated area, removed from excessive moisture and heat. Ensure packages are adequately labelled, protected from physical damage and sealed when not in use.

7.3 Specific End Use(s)

Specific End Use(s): No information provided.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Workplace Exposure Limits: .

Ingredient	TWA		STEL	
	ppm	mg/m^3	ppm	mg/m^3
Mineral Oil Mist	--	5	--	--

8.2 Exposure Controls

Engineering Measures: Do not inhale dust/powder. Use with adequate ventilation. Where a dust inhalation hazard exists, mechanical extraction ventilation is recommended. Maintain dust levels below the recommended exposure standard.

Respiratory Protection: Where an inhalation risk exists, wear a Class P2 respirator. At high dust levels, wear a Class P3 respirator or a Powered Air Purifying Respirator (PAPR) with Class P3 filter.

Hand Protection: Wear rubber or PVC gloves

Eye Protection: Wear dust-proof goggles.

Skin Protection: If there is potential for prolonged and/or excessive skin contact, wear coveralls.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

Appearance:	A grey mixture containing Cement, Fly Ash and Sand air.
Odour:	Slight Odour
pH:	Approximately 12
Vapour Pressure:	Not available
Vapour Density:	Not Available
Boiling Point:	Not Available
Melting Point:	> 1200°C
Evaporation Rate:	Not Available
Solubility (water):	Slight, hardens on mixing with water
Specific Gravity:	Average Approx 2.2
% Volatiles:	Not Available
Flammability:	Non Flammable
Flash Point:	Not Relevant
Upper Explosion Limit:	Not Relevant
Lower Explosion Limit:	Not Relevant
Autoignition Temperature:	Not Available

9.2 Other Information

Other Information:	No data available.

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

Reactivity:	Stable under recommended transport or storage conditions.

10.2 Chemical Stability

Chemical Stability:	Chemically Stable.

10.3 Possibility of Hazardous Reactions

Hazardous Reactions:	Hazardous polymerization is not expected to occur.

10.4 Conditions to Avoid

Conditions to Avoid:	Keep free of moisture.

10.5 Incompatible Materials

Materials to Avoid:	Incompatible with oxidising agents (eg hypochlorites), ethanol, acids (eg hydrofluoric acid).

10.6 Hazardous Decomposition Products

Haz. Decomp. Products:	None

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects

Relevant Hazards for Substance:

Hazard	Route	Basis
Aspiration Hazard	-	Hazardous: Calculated

Excluded Hazards for Substance:

Hazard	Route	Basis
Acute Toxicity (ac. tox. 4)	-	No Hazard: Calculated
Acute Toxicity (ac. tox. 3)	-	No Hazard: Calculated
Acute Toxicity (ac. tox. 2)	-	No Hazard: Calculated
Acute Toxicity (ac. tox. 1)	-	No Hazard: Calculated
Skin Corrosion/Irritation	-	No Hazard: Calculated
Serious Eye Damage/Irritation	-	No Hazard: Calculated
Respiratory/Skin Sensitization	-	No Hazard: Calculated
Germ Cell Mutagenicity	-	No Hazard: Calculated
Carcinogenicity	-	No Hazard: Calculated
Reproductive Toxicity	-	No Hazard: Calculated
STOT – Single Exposure	-	No Hazard: Calculated
STOT – Repeated Exposure	-	No Hazard: Calculated

11.2 Symptoms/Routes of Exposure

Skin Contact: There may be irritation and redness at the site of contact.

Eye Contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

There may be vomiting.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

12.2 Persistence and Degradability

Persistence and Degradability: -

12.3 Bioaccumulative Potential

Bioaccumulative Potential: Significant environmental findings are limited.

12.4 Mobility in Soil

Mobility: A low mobility would be expected in a landfill situation.

12.5 Other Adverse Effects

Other Adverse Effects: Do NOT allow product to come in contact with surface waters or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment wash-waters.

Wastes resulting from use of the product must be disposed of on site or at approved waste sites.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Waste Disposal: Containers may still present a chemical hazard/ danger when empty.

Legislation addressing waste disposal requirements may differ by state and/ or territory. Each user must refer to laws operating in their area.

This material may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use.

DO NOT allow wash water from cleaning or process equipment to enter drains.

It may be necessary to collect all wash water for treatment before disposal.

In all cases disposal to sewer may be subject to local laws and regulations and these should be considered first.

Where in doubt contact the responsible authority.

Recycle wherever possible or consult manufacturer for recycling options.

Consult State Land Waste Authority for disposal.

Bury or incinerate residue at an approved site.

Recycle containers if possible, or dispose of in an authorised landfill.

SECTION 14. TRANSPORT INFORMATION

14.1 UN Number

UN Number: None Allocated.

14.2 Proper Shipping Name

Proper Shipping Name: None Allocated.

14.3 Transport Hazard Class

Transport Hazard Class: None Allocated.

14.4 Packing Group

Packing Group:	None Allocated.

14.5 Environmental hazards

Environmental hazards:	Not Applicable.

14.5 Special precautions for user

Hazchem Code:	None Allocated.

SECTION 15. REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

Poison schedule:	A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).
Classification	Safework Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals.

The classifications and phrases listed below are based on the Approved Criteria for Classifying Hazardous Substances [NOHSC: 1008(2004)].

Hazard Codes:	Xi Irritant Xn Harmful
Risk phrases	R36/37/38 Irritating to eyes, respiratory system and skin. R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
Safety phrases	S22 Do not breathe dust. S24/25 Avoid contact with skin and eyes. S36/37 Wear suitable protective clothing and gloves.
Inventory listing(s):	AUSTRALIA: AICS (Australian Inventory of Chemical Substances) All components are listed on AICS or are exempt.

SECTION 16. OTHER INFORMATION

16.1 Other Information

Additional Information:	PERSONAL PROTECTIVE EQUIPMENT GUIDELINES: The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made. HEALTH EFFECTS FROM EXPOSURE: It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a ChemAlert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.
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