Aitken Freeman Pty Ltd
Factory 7, 7-9 Brough St, Springvale VIC 3171
PO Box 548, Noble Park VIC 3174
Phone: (03) 9701 3955 Fax: (03) 9701 3956
Internet: www.aitkenfreeman.com
e-mail: sales@aitkenfreeman.com

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TECGROUT GP

This product is classified as hazardous according to criteria of NOHSC

Section 1 – Identification of the Material and Supplier

PRODUCT (MATERIAL) NAME:	**TECGROUT GP**		
OTHER NAMES:			
RECOMMENDED USES:	Non-shrink, general purpose cementitious grout		
SUPPLIER NAME/ADDRESS:	Aitken Freeman Pty Ltd – Factory 7, 7-9 Brough St, Springvale VIC 3171		
TELEPHONE NUMBER:	(03) 9701 3955	**FACSIMILE NUMBER:**	(03) 9701 3956
EMERGENCY PHONE NUMBER:	(03) 9701 3955	**HOURS:**	0800-1700 Mon-Fri

Section 2 – Hazards Identification

HAZARD CLASSIFICATION: **Classified as a HAZARDOUS SUBSTANCE according to criteria of NOHSC. Classified as NON-DANGEROUS GOODS according to criteria of Australian Dangerous Goods Code.**

RISK PHRASES:
R37/38: Irritating to respiratory system and skin
R48/R20: Danger of serious damage to health by prolonged exposure through inhalation
R41: Risk of serious damage to eyes.

SAFETY PHRASES:
S22: Do not breath dust
S25: Avoid contact with eyes
S26: In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre 13 11 26 (Australia-wide)
S28: After contact with skin, wash immediately with water (and soap if available)
S36/37/39: Wear suitable protective clothing, gloves and eye/face protection
S38: If insufficient ventilation, wear suitable respiratory equipment

Section 3 – Composition / Information on Ingredients

INGREDIENTS:

Chemical Name:	Proportion:	CAS Number:
Portland cement	30 – 60 %	65997-15-1
Crystalline silica (quartz)	30 – 60 %	14808-60-7
Plasticiser – flow improver	<1 %	
Hydrogen evolving compounds	<0.1%	

Balance of formulation consists of ingredients below cut-off rates or ingredients determined not to be hazardous.

Section 4 – First Aid Measures

INHALATION: If inhaled, remove patient to fresh air. Encourage patient to blow nose and clear breathing passages. Drink water to remove dust from throat. If breathing stops, provide artificial respiration. Seek medical attention if irritation persists.

INGESTION: If swallowed, DO NOT induce vomiting. Rinse mouth with plenty of water. Seek medical advice from a doctor or the Poisons Information Centre (13 11 26) Australia-wide.

SKIN: If skin or hair contact occurs, remove all contaminated clothing and flush skin and hair with running water. Remove contaminated clothing and wash before reuse. Wash off skin and/or hair with running water and soap if available. Seek medical assistance if irritation persists.

EYES: If product comes into contact with eyes, hold eyelids apart and flush the eye continuously with fresh running water. Continue flushing until advised to stop by the Poisons Information Centre, or a doctor, or for at least 15 minutes. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

FIRST AID FACILITIES: Eye wash and normal washroom facilities.

ADVICE TO DOCTOR: Treat symptomatically**. POISON INFORMATION CENTRE** – 13 11 26 Australia-wide.

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Section 5 – Fire Fighting Measures

EXTINGUISHING MEDIA: Select to suit surrounding fire.

HAZARDS FROM COMBUSTION PRODUCTS:
Not applicable

SPECIAL PROTECTIVE PRECAUTIONS AND EQUIPMENT FOR FIRE FIGHTERS:
Fire fighters to wear self contained breathing apparatus. Avoid bodily contact with substance or run-off.

HAZCHEM CODE: Not applicable

ADDITIONAL INFORMATION: Not applicable

Section 6 – Accidental Release Measures

EMERGENCY PROCEDURES: Prevent material from entering storm water drains, waterways, basements or workpits. Wear dust mask. Wear protective goggles to prevent eye contamination. Sweep or vacuum material up without creating dust clouds. Collect material into clean, dry containers. Label containers correctly. Ensure area is thoroughly ventilated before recommencing work.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP:
Refer to State Land Waste Management Authority. Empty containers must be decontaminated. Normally suitable for disposal at approved land waste sites.

Section 7 – Handling and Storage

PRECAUTIONS FOR SAFE HANDLING:
Wear protective goggles/face shield and rubber gloves and barrier cream to prevent eye and skin contamination. Contact lenses pose a special hazard as they may absorb irritants. Suitable protective clothing, PVC gloves and boots should be worn. Use in a well ventilated area, preferably outdoors. General exhaust is normally adequate. If risk of overexposure exists, wear SAA approved dust respirator. Avoid generation or accumulation of dusts.

CONDITIONS FOR SAFE STORAGE:
Keep containers securely sealed when not in use. Avoid physical damage to containers. Store in a cool, dry, well-ventilated place out of direct sunlight. Keep away from strong acids.

INCOMPATIBILITIES: No restrictions.

Section 8 – Exposure Controls / Personal Protection

NATIONAL EXPOSURE STANDARDS:
Exposure to dust should be kept as low as practicable, and below the NES for the product as listed below:

Crystalline silica (quartz) – 0.1 mg/m^3 TWA as respirable dust
Dust (NOS – not other specified) – 10mg/m^3 TWA as inspirable dust

BIOLOGICAL LIMIT VALUES: Not established for the product.

ENGINEERING CONTROLS: If used in limited ventilation, ensure adequate ventilation to maintain exposure levels are kept below standards, by using a local exhaust. Keep containers closed when not in use.

PERSONAL PROTECTION: Avoid unnecessary contact as good work practice. Wash contaminated clothing and protective equipment before storing and reuse. Wash hands before eating, smoking, or using the toilet.

RESPIRATORY PROTECTION: The use of a respirator or other device is recommended where dust is being generated. For assistance in selecting suitable equipment consult AS/NZ1715.

EYE PROTECTION: Eye protective measures are normally necessary and are suggested when using this product. Consult AS1336 and AS/NZ1337.

PROTECTIVE GLOVES: Rubber, PVC or other protective gloves are necessary, and desirable, especially if this product is being used frequently or for lengthy periods. Consult AS2161 for guidance.

CLOTHING: Clean overalls should be worn, preferably with an apron. Consult AS2919 for clothing guidance.

SAFETY FOOTWEAR: Wearing safety boots is advisory. Consult AS/NZ2210 for advice on Occupational Protective Footwear.

Section 9 – Physical and Chemical Properties

APPEARANCE (COLOUR, PHYSICAL FORM, SHAPE):
Fine grey powder

ODOUR:	None	**VAPOUR PRESSURE:**	Negligible
MELTING POINT:	Not available	**BOILING POINT:**	Not applicable
SOLUBILITY:	Partly miscible in water	**SPECIFIC GRAVITY:**	1.5
FLASH POINT:	Non-combustible	**VOLATILE ORGANIC COMPONENT:**	Not stated
UPPER FLAMMABLE LIMIT:	Not applicable	**LOWER FLAMMABLE LIMIT:**	Not applicable

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Section 10 – Stability and Reactivity

CHEMICAL STABILITY: Stable
CONDITIONS TO AVOID: Keep away from strong acids
INCOMPATIBLE MATERIALS: No restrictions
HAZARDOUS DECOMPOSITION PRODUCTS:
Product is not combustible, however containers may burn.
HAZARDOUS REACTIONS: None

Section 11 – Toxicological Information

TOXICOLOGY INFORMATION:

No toxicity data is available for this product, however toxicity information for constituent ingredients are stated below.

This product contains a proportion of respirable free crystalline silica in the quartz component. Crystalline silica is classified as a Class 1 Human Carcinogen according to IARC (International Agency for Research on Cancer), however research on this is inconclusive and the ASCC/NOHSC has yet to classify crystalline silica as a human carcinogen. Current research indicates no excess risk of lung cancer or other cancers from using these products. Repeated exposure to respirable crystalline silica dust may lead to silicosis, or other serious delayed lung injury. The onset of silicosis is usually slow and lung damage may occur even when no symptoms or signs of ill-health have occurred. Silicosis can develop to a more serious degree even after exposure has ceased, and may also lead to other diseases including heart disease and scleroderma. Inhalation of dust, including crystalline silica dust, is considered by medical authorities to increase the risk of lung disease due to tobacco smoking.

HEALTH EFFECTS FROM THE LIKELY ROUTES OF EXPOSURE:

INHALATION:

The dust is highly irritating to the upper respiratory tract and lungs, and may cause coughing and sneezing. Persons with pre-existing respiratory conditions may incur further disability if excessive concentrations of material are inhaled. Overexposure may cause coughing, wheezing and irritation of nasal passages.

INGESTION:

Highly irritating and mildly corrosive if swallowed. May result in nausea, abdominal irritation, pain and vomiting. Ingestion is not expected to occur in normal industrial use.

SKIN: Is irritating and may cause drying of the skin. May lead to dermatitis and in some cases, sensitisation. The material may accentuate pre-existing skin conditions.

EYES: The dust is highly irritating and abrasive to the eyes and is capable of causing pain and sever conjunctivitis. Corneal injury may develop, with possible permanent impairment of vision if not promptly and properly treated.

Section 12 – Ecological Information

ECOTOXICITY: Not available
PERSISTENCE AND DEGRADABILITY:
Not available
MOBILITY: Not available
ENVIRONMENTAL PROTECTION:
Not expected to create environmental hazards unless dumped in massive quantity.

Section 13 – Disposal Considerations

Recycle wherever possible. Refer to State Land Waste Management Authority. Empty containers must be decontaminated. Normally suitable for disposal at approved land waste site.

Section 14 – Transport Information

UN NUMBER: None assigned
UN PROPER SHIPPING NAME: None assigned
DANGEROUS GOODS CLASS: None assigned
SUBSIDIARY RISK: None assigned
PACKING GROUP: None assigned
HAZCHEM CODE: None assigned
SPECIAL PRECAUTIONS PER USER:
Keep containers tightly sealed when not in use. Store in a cool, dry, well-ventilated place and out of direct sunlight. Keep away from strong acids. No regulatory requirements apply to the transport of this product.

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Section 15 – Regulatory Information

POISON SCHEDULE: Not scheduled
OHS: Unregulated
ENVIRONMENTAL: Unregulated
ADDITIONAL NATIONAL AND/OR INTERNATIONAL REGULATORY INFORMATION:
Unregulated

Section 16 – Other Information

DATE OF PREPARATION OR LAST REVISION OF MSDS:
1st February 2008
CONTACT POINT: Aitken Freeman Pty Ltd
(03) 9701 3955
LITERATURE REFERENCES / SOURCES OF DATA:
Material Safety Data Sheets from Suppliers
List of Designated Substances – Worksafe Australia (on-line)
Australian Dangerous Goods Code 6th Edition
Standard for the Uniform Scheduling of Drugs and Poisons No 19

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