

Infosafe No™ LQ297

Issue Date : April 2013

ISSUED by PARCHEMN

Product Name : GALVASHIELD GROUT MC50

1. Identification

GHS Product Identifier GALVASHIELD GROUT MC50

Company Name Parchem Construction Supplies Pty Ltd (ABN 80 069 961 968)

Address 7 Lucca Road Wyong
NSW 2259 Australia

Telephone/Fax Number Tel: 02 4350 5000
Fax: 02 4351 2024

Emergency phone number 0800 154 666 (available 24/7)

Recommended use of the chemical and restrictions on use Cement based grout.

Other Information Distributed in New Zealand by:
Concrete Plus
23 Watts Road
Sockburn
New Zealand
Tel: (03) 343 0090
Fax: (03) 343 0202

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 Parchem Construction Supplies Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS 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.

www.parchem.co.nz

2. Hazard Identification

GHS classification of the substance/mixture Classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand.
Not classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2012 Transport of Dangerous Goods on Land.

HSNO Classification:
6.1E (Inhalation - vapours, dusts or mists) - Substance that is acutely toxic
6.3A - Substance that is irritating to the skin.
6.7A - Substance that is known or presumed human carcinogen.
6.9A - Substance that is toxic to human target organs or systems.
8.3A - Substance that is corrosive to ocular tissue.

Signal Word (s) Danger

Hazard Statement (s) H315 Causes skin irritation.
H333 May be harmful if inhaled.
H350 May cause cancer by inhalation.
H372 Causes damage to organs through prolonged or repeated exposure by inhalation.
H318 Causes serious eye damage.

Pictogram (s) Corrosion, Health hazard

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Precautionary statement – Prevention

P102 Keep out of reach of children. This statement applies only where the substance is available to the general public.
 P103 Read label before use. This statement applies only where the substance is available to the general public.
 P104 Read Safety Data Sheet before use.
 P201 Obtain special instructions before use.
 P202 Do not handle until all safety precautions have been read and understood.
 P260 Do not breathe dust or mist.
 P264 Wash hands thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P280 Wear protective gloves, protective clothing and eye protection.

Precautionary statement – Response

GENERAL
 P101 If medical advice is needed, have product container or label at hand. – This statement applies only where the substance is available to the general public.
 P308+P313 If exposed or concerned: Get medical advice/attention.
 INHALATION
 P304+P312 IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
 P331 Do NOT induce vomiting.
 EYE
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTRE or doctor/physician.
 SKIN
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.
 P332+P313 If skin irritation occurs: Get medical advice/attention.
 P362 Take off contaminated clothing and wash before re-use.
 P405 Store locked up.

Precautionary statement – Storage
Precautionary statement – Disposal

P501 In the case of a substance that is in compliance with a HSNO approval other than a Part 6A (Group Standards) approval, a label must provide a description of one or more appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Regulations 2001. This may also include any method of disposal that must be avoided.

3. Composition/information on ingredients

Ingredients	Name	CAS	Proportion
	Portland cement	65997-15-1	30-60 %
	Quartz (crystalline silica)	14808-60-7	30-60 %
	Calcium oxide	1305-78-8	<1.5 %
	Ingredients determined not to be hazardous.		Balance
Other Information	This product contains crystalline silica (CAS No. 14808-60-7). However, only a small proportion of this is of respirable size.		

4. First-aid measures

Inhalation	If inhaled, remove from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.
Ingestion	Do NOT induce vomiting. Wash out mouth and lips thoroughly with water. Seek medical attention.
Skin	Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard. Seek medical attention. If swelling, redness or blistering occurs get medical attention.
Eye contact	If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information

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First Aid Facilities Centre or a doctor, or for at least 15 minutes. Seek immediate medical attention.
 Eye wash and normal washroom facilities.

Advice to Doctor Treat symptomatically.

Other Information For advice in an emergency, contact a Poisons Information Centre (Phone Australia 13 1126; New Zealand 0800 POISON / 0800 764 766) or a doctor at once.

5. Fire-fighting measures

Suitable extinguishing media This product is not combustible. Use appropriate fire extinguisher for surrounding environment.

Hazards from Combustion Products Under fire conditions this product may emit toxic and/or irritating fumes and gases.

Specific hazards arising from the chemical Product is non-combustible. In contact with extinguishing water an alkaline solution is produced which can cause irritation.

Precautions in connection with Fire Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode. Water spray may be used to cool down heat-exposed containers.

6. Accidental release measures

Emergency Procedures Increase ventilation. Evacuate all unprotected personnel. Wear sufficient respiratory protection and full protective clothing to prevent exposure. Sweep up material avoiding dust generation or dampen spilled material with water to avoid airborne dust, then transfer material to a suitable container. Wash surfaces well with soap and water. Seal all wastes in labelled plastic containers for subsequent recycling or disposal. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

7. Handling and storage

Precautions for Safe Handling Avoid generation of dusts. Label containers. Keep containers closed when not in use. Wear appropriate protective equipment to prevent inhalation, skin and eye contact. Ensure a high level of personal hygiene is maintained when using this product. That is; always wash hands before eating, drinking, smoking or using the toilet facilities.

Conditions for safe storage, including any incompatibilities This material is cementitious and will react with water. Keep product dry to prevent lumping or possible deterioration. Store in a cool, dry, well-ventilated area, away from moisture. Store away from incompatible materials such as acids. Reference should also be made to all applicable local and national regulations.

8. Exposure controls/personal protection

Occupational exposure limit values No exposure standards have been established for this material by the Occupational Safety and Health Service (OSH) of the New Zealand Department of Labour. The recommended exposure limits for the constituents are listed below.

New Zealand Occupational Safety and Health Service Workplace Exposure Standards (OSH):

Substance	TWA		STEL		NOTICES
	ppm	mg/m ³	ppm	mg/m ³	
Calcium oxide	-	2	-	-	-
Portland Cement	-	10	-	-	-
Silica (as Cristobalite)	-	0.1	-	-	-
Silica (as Quartz) (Respirable dust)	-	0.2	-	-	-

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

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Biological Limit Values	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. No biological limit allocated.
Appropriate engineering controls	Use only in a well ventilated area. Where dust is generated, particularly in enclosed areas, and/or natural ventilation is inadequate, a local exhaust ventilation system should be used.
Respiratory Protection	Where sufficient ventilation is not available, avoid breathing dusts by wearing an AS 1716 approved particulate/dust filter respirator; however final choice of appropriate breathing protection is dependent upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision. Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices.
Eye Protection	Safety glasses with side shields, goggles or full-face shield as appropriate recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.
Hand Protection	Impervious, elbow-length gloves are recommended. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.
Body Protection	Wear appropriate clothing including chemical resistant apron where clothing is likely to be contaminated. It is advisable that a local supplier of personal protective clothing is consulted regarding the choice of material.

9. Physical and chemical properties

Appearance	Powder with fine aggregate.
Colour	Grey
Odour	Cementitious odour
Melting Point	Not available
Boiling Point	Not applicable
Solubility in Water	Insoluble. Cement reacts with water.
Solubility in Organic Solvents	Not available
Specific Gravity	1.35 (23°C)
pH	Not available
Vapour Pressure	Not applicable
Vapour Density (Air=1)	Not applicable
Evaporation Rate	Not available
Odour Threshold	Not available
Partition Coefficient: n-octanol/water	Not available
Flash Point	Not applicable
Flammability	Non-combustible substance.
Auto-Ignition Temperature	Not applicable
Explosion Limit - Upper	Not applicable

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Explosion Limit - Lower Not applicable

10. Stability and reactivity

Chemical Stability Stable under normal conditions of storage and handling.

Conditions to Avoid Dust accumulation, humidity, contact with water.

Incompatible Materials Contact with water should be avoided. Wet portland cement is alkaline. As such, it is incompatible with acids, ammonium salts and aluminium metal.

Hazardous Decomposition Products Thermal decomposition may result in the release of toxic and/or irritating fumes.

Possibility of hazardous reactions Unintended contact with water should be avoided. Reaction with water will result in hydration and produces (caustic) calcium hydroxide.

Hazardous Polymerization Will not occur.

11. Toxicological Information

Toxicology Information No toxicology data available for this product.

For Crystalline silica:
 Inhalation(human)LCLo: 0.3 mg/m³/10Y
 Inhalation(human)TCLo: 16 mppcf/8H/17.9Y
 - Intermittent; focal fibrosis, (pneumoconiosis), cough, dyspnoea
 Inhalation(rat)TCLo: 50 mg/m³/6H/71W
 - Intermittent; liver - tumours.

Ingestion Ingestion of this product may cause nausea, vomiting, abdominal pain and chemical burns to the mouth, throat and stomach.

Inhalation Irritating to respiratory tract. Exposure may cause irritation to the moist mucous membranes of the nose, throat and upper respiratory system. Pre-existing upper respiratory and lung diseases may be aggravated by inhalation.
 Contains crystalline silica; may cause cancer by inhalation. With repeated or prolonged exposure bronchitis and silicosis (scarring of the lungs) may also occur.

Skin Causes skin irritation. This may result in itching, redness and blisters. Wet product may cause more severe irritation. May cause an allergic response in some individuals resulting in symptoms such as rash and skin ulcers.

Eye Corrosive to ocular tissue. Risk of serious damage to eyes. Eye contact will cause stinging, blurring, tearing, severe pain and possible permanent corneal damage.

Respiratory sensitisation Not expected to be a respiratory sensitiser.

Skin Sensitisation Not expected to be a skin sensitiser.

Germ cell mutagenicity Not considered to be a mutagenic hazard.

Carcinogenicity May cause cancer by inhalation. Crystalline silica (respirable size) has been classified by the IARC as Group 1 Carcinogenic to Humans.

Reproductive Toxicity Not considered to be toxic to reproduction.

STOT-repeated exposure Causes damage to organs through prolonged or repeated exposure. Repeated exposure to respirable crystalline silica dust may lead to silicosis, a serious lung disease. 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. Repeated or prolonged skin contact may cause dryness and cracking of the skin. In the long term this can result in irritant contact dermatitis.

Aspiration Hazard Not expected to be an aspiration hazard.

Other Information NOTE: The physical nature of quartz in the product determines whether it is likely to present a chronic health problem. To be a hazard the material must enter the breathing zone as respirable particles.

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12. Ecological information

Ecotoxicity	Not available
Persistence and degradability	Not available
Mobility	Not available
Bioaccumulative Potential	Not available
Environmental Protection	Do not allow product to enter drains, waterways or sewers.

13. Disposal considerations

Disposal Considerations	<p>Product Disposal:</p> <p>Product wastes are controlled wastes and should be disposed of in accordance with all applicable local and national regulations. This product can be disposed through a licensed commercial waste collection service. Alternatively, the product can be mixed with water to enable it to cure to an inert solid that can be disposed in a licensed landfill facility. Personal protective clothing and equipment as specified in Section 8 of this SDS must be worn during handling and disposal of this product. The ventilation requirements as specified in the same section must also be followed, and the precautions given in Section 7 of this SDS regarding handling must also be followed.</p> <p>Do not dispose into the sewerage system. Do not discharge into drains or watercourses or dispose where ground or surface waters may be affected. In New Zealand, the disposal agency or contractor must comply with the New Zealand Hazardous Substances (Disposal) Regulations 2001. Further details regarding disposal can be obtained on the ERMA New Zealand website under specific group standards.</p> <p>Container Disposal:</p> <p>The container or packaging must be cleaned and rendered incapable of holding any substance. It can then be disposed of in a manner consistent with that of the substance it contained. In this instance the packaging can be disposed through a commercial waste collection service. Alternatively, the container or packaging can be recycled if the hazardous residues have been thoroughly cleaned or rendered non-hazardous. In New Zealand, the packaging (that may or may not hold any residual substance) that is lawfully disposed of by householders or other consumers through a public or commercial waste collection service is a means of compliance with regulations.</p>
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14. Transport information

Transport Information	<p>Road and Rail Transport:</p> <p>New Zealand:</p> <p>Not classified as Dangerous Goods for transport according to the NZS 5433:2012 Transport of Dangerous Goods on Land.</p> <p>Marine Transport (IMO/IMDG):</p> <p>Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.</p> <p>Air Transport (ICAO/IATA):</p> <p>Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.</p>
IMDG Marine pollutant	No

15. Regulatory information

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National and or International Regulatory Information New Zealand:
Classified as Hazardous according to the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.
All components of this product are listed on the New Zealand Inventory of Chemicals (NZIoC) or exempted.
Group Standard:
Construction Products (Toxic [6.7A]) Group Standard 2006
HSNO Approval Number HSR002545

16. Other Information

Date of preparation or last revision of SDS SDS Created: April 2013

Literature References Workplace Exposure Standards and Biological Exposure Indices , Department of Labour, Health & Safety.
Transport of Dangerous goods on land NZS 5433.
Preparation of Safety Data Sheets - Approved Code of Practice Under the HSNO Act 1996 (HSNO CoP 8-1 09-06).
Assigning a hazardous substance to a group standard.
American Conference of Industrial Hygienists (ACGIH).

Contact Person/Point Technical Support: 1800 812 864

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