

SAFETY DATA SHEETS (SDS)

Enviro Grout 100 Part C



Version:1

Issued by: Envirosystems Technologies

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Hazard Identifiers

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SECTION 1 – IDENTIFICATION OF MATERIAL & SUPPLIER

- 1.1 Product Name:** Enviro Grout 100 Part C
Manufacturer's Product Code: N/A
- 1.2 Recommended Use:** Surface coating
- 1.3 Company:** Envirosystems Technologies Pty Ltd
Address: 295 Princes Highway St Peters, NSW 2044.
Website: www.envirosystems.com.au
Telephone: +61 2 85958699 (business hours)
Fax: +61 2 85958660
- 1.4 Emergency Telephone:** Info Safe – 1800 638 556, Poisons Centre – 131126
- Other Information:** All information in this SDS is to the best of our knowledge at time of publication. Users of this product should fully review this SDS prior to use to ensure best safety practices. Further information and or clarification can be obtained by contacting our technical department on the above telephone number.

SECTION 2 – HAZARDS IDENTIFICATION

- 2.1 Hazard Classification:** Classified as **Non-Hazardous** according to WHS Regulations, Australian GHS criteria and a **Non-Dangerous Goods** according to the Australian Dangerous Goods Code.

Class	Category
None	

- 2.2 Label Elements** None

Signal word None

H-code	Hazard Statements
	None
P-Code	Precautionary Statement - Prevention
	None
P-Code	Precautionary Statement - Response
	None
P-Code	Precautionary Statement - Storage
	None
P-Code	Precautionary Statement - Disposal
	None

- 2.3 Other Hazards** Powder particles may cause irritation to the skin and eyes. Prolonged and repeated exposure may cause irritation to the respiratory system. Dust exposure standards apply.

Silica, quartz (CAS No 14808-60-7) naturally-occurring impurity in trace amounts.

Magnesium Carbonate (CAS No 13717-00-5) is also naturally present.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

See section below for Mixtures

3.2 Mixtures

CAS No.	Material	Content %
	Components that do not meet GHS disclosure requirements (deemed non-hazardous)	<99%

SECTION 4 – FIRST AID MEASURES

4.1 Description of first aid measures

General Advice:

Immediately remove contaminated clothing. If in danger of loss of consciousness, place patient in recovery position and transport accordingly. Apply artificial respiration if necessary. First aid personnel should pay attention to the own safety.

Ingestion:

If swallowed, do not induce vomiting. Rinse mouth with water and give water to drink as much as comfortable able to. Seek medical advice. Do not induce vomiting.

Inhalation:

Move person to fresh air. In case of indisposition, seek medical advice.

Eye Contact:

While holding eyes open, gently flood with plenty of fresh water for 15 minutes. Washing within one minute is essential to achieve maximum effectiveness. If pain persists or recurs also seek medical attention. Skilled personnel should only undertake removal of contact lenses after an eye injury.

Skin Contact:

Flush contacted area thoroughly with soap and plenty of water. Seek medical attention in event of irritation. Remove contaminated clothing including footwear.

4.2 Most important symptoms and effects, both acute and delayed

Any relevant information can be found in other parts of this section and in sections 2 and 11.

4.3 Advice for doctor

Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media:

Use media suitable to surrounding source of fire.

Unsuitable extinguishing media that may not be used for safety reasons:

None.

5.2 Special hazards arising from the substance or mixture

Non-flammable and non-combustible, but possibly release of CO₂ or CO in extreme temperature conditions i.e. > 825 °C.

5.3 Advice for firefighters

Wear full body protective clothing with breathing apparatus. Reduce spillage from entering drains or water course.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures** Secure the area. Wear personal protection equipment (see section 8). Keep unprotected persons away. Avoid contact with eyes and skin. If material is released indicate risk of slipping. Do not walk through spilled material.
- 6.2 Environmental precautions** Do not discharge into sewers or waterways and soil.
- 6.3 Methods and material for containment and cleaning up** Small or major spills should be shoveled into appropriately labeled drums for disposal. Disposal of this material should be undertaken by a registered chemical disposal company. Wash area with excess water.
- 6.4 Reference to other sections** Relevant information in other sections has to be considered. This applies in particular for information given on personal protective equipment (section 8) and on disposal (section 13).

SECTION 7 – HANDLING & STORAGE

- 7.1 Precautions for safe handling** Ensure thorough ventilation of stores and work areas. Handle in accordance with good industrial hygiene and safety practice. When using do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift.
- 7.2 Conditions for safe storage**
Storage Requirements:
 Store in a cool, dry and well-ventilated place.
Temperature Conditions:
 Up to 40° C and out of direct sunlight.
Protection from weather:
 Store undercover and away from frost and moisture
- 7.3 Specific end use(s)** Is a surface coating
- 7.4 Regulations and standards (Australia):** Classified as Non-Hazardous powder which should be stored and handled in accordance with regulations

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Exposure limits safe work Australia

Ingredient	TLV	TWA
ASCC for CaCO ₃ Inhalable Dust in Australia		3mg/m ³
ACGIH CaCO ₃ Respirable Dust in Australia	10 mg/m ³	
ASCC Respirable Quartz in Australia		0.1 mg/m ³

Emergency Limits:

Ingredient	TEEL-1	TEEL-2	TEEL-3
None known			

8.2 Exposure controls

General protection and hygiene measures:

General ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations. Do not eat, drink or smoke when handling. Wash hands at the end of work and before eating. Keep working clothes separately. Remove contaminated, soaked clothing immediately. Clean work areas

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regularly.

Personal protection equipment:

Respiratory protection

Maintain air concentrations below the occupational exposure standards, using engineering controls if necessary. Where this is not possible, wear an approved P1 dust mask where concentration is less than 10 times permissible exposure limit.

Eye protection

Chemical goggles. Full face respiratory may be required if exposure causes discomfort.

Hand protection

When handling wear chemical resistant gloves. PVC, neoprene or nitrile glove.

Skin protection

Overalls clothing.

Other Information

Use barrier creams to protect skin from contact with the material. Always wash hands before smoking, eating, drinking or using the toilet and after finishing work. Observe the usual precautions when handling chemicals.

8.3 Further information for system design and engineering measures

Ventilation is recommended under normal use conditions. State regulations on speed and direction of airflow away from operators must be observed. Keep containers closed when not in use.

SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

9.1	Odour:	Odorless
	Odour Threshold	Not determined
	Colour:	White
	Physical State:	Powder
	Flash Point:	Not determined
	Autoignition Temperature:	Not determined
	Boiling Point:	Not determined
	Melting Point:	Not determined
	Specific Gravity:	2.7
	pH:	Not determined
	Solubility in Water (g/L):	0.014 g/l (20 °C) 0.018 g/l (75 °C)
	Flammability:	Not flammable
	Lower Limit:	Not determined
	Higher Limit:	Not determined
	Vapour Pressure:	Not determined
	Vapour Density (Air = 1)	Not determined
9.2	Other information	None available

SECTION 10 – STABILITY AND REACTIVITY

10.1	Reactivity; Chemical stability;	Stable when stored and used as directed. Protect from frost.
-3	Possibility of hazardous reactions	
10.4	Conditions to avoid	Heating above 825°C
10.5	Incompatible materials	Avoid contact with acids
10.6	Hazardous decomposition products	Oxides of carbon

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute Toxicity/Effects

Acute oral toxicity
LD50 oral, rat = > 5000 mg/kg

Acute dermal toxicity
Data not available

Acute inhalation toxicity
Inhalation of dust may cause discomfort in the upper respiratory tract. Prolonged and repeated inhalation of excessive dust may permanently affect the respiratory system.

Skin corrosion/irritation
Prolonged and repeated exposure may cause skin dehydration and irritation skin conditions.

Serious eye damage/eye irritation
Data not available

Sensitization
Data not available

Aspiration hazard
This material has been classified as non-hazardous.

Chronic Toxicity/Effects

Specific target organ systematic toxicity (single exposure)
No data available.

Specific target organ systematic toxicity (repeated exposure)
No data available.

Genetic toxicity
This material has been classified as non-hazardous.

Carcinogenicity
No data available.

Reproductive toxicity
No data available.

Teratogenicity
No data available.

Long Term Effects:

There have been no reports in the literature of health effects in workers arising from long-term exposure to this material and no comprehensive human studies have been conducted.

SECTION 12 – ECOLOGICAL INFORMATION

Toxicity

In its solid state is a natural mineral of the earth. In its dissolved state, the substance is a natural and indispensable component of natural waters.
LC50 Fish 96 h > 10'000 mg/l
LC50 Daphnia 49 h > 1000 mg/l

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LC50 Algae 72 h > 200 mg/l

Persistence and degradability Not readily degradable, except in acid conditions where it tends to have a neutralizing effect.

Bioaccumulative potential Is a naturally occurring inorganic compound which has constituent elements that make up natural components of biological organisms.

Mobility in soil Is practically insoluble except in acid conditions, and so presents a low soil mobility in most ground. Moreover it is commonly used as an effective soil conditioner and fertiliser.

Additional Information Do NOT discharge into sewer or waterways.

SECTION 13 – DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Material Recommendation:

Dispose of in appropriately licensed general landfill site in accordance with local, state and federal regulations. Waste should be bagged and labelled. Special arrangements made to bury bulk waste upon dumping, limiting dust generation.

Uncleaned packaging Recommendation:

Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations. Uncleaned packaging should be treated with the same precautions as the material.

SECTION 14 – TRANSPORT INFORMATION

Transport Information

Not classified as a **Non-Dangerous Good** according to the Australian Code for the Transportation of Dangerous Goods by Road and Rail.

U.N. Number: N/A

DG Class: N/A

EPG card: N/A

Hazchem Code: N/A

Proper Shipping Name: N/A.

Packing Group: N/A

Classification for SEA transport (IMO-IMDG)

U.N. Number: N/A

DG Class: N/A

Proper Shipping Name: N/A.

Packing Group: N/A

Marine Pollutant: No

Classification for AIR transport (IATA/ICAO)

U.N. Number: N/A

DG Class: N/A

Proper Shipping Name: N/A

Packing Group: N/A

Label None

SECTION 15 – REGULATORY INFORMATION

15.1 Safety, health and environmental

National and local regulations must be observed. For information on labeling please refer to section 2 of this document.

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regulations/legislation specific
for the substance or mixture

Poisons Schedule Number: N/A

Australian Inventory:

Listed

Controlled Schedule

Not listed substances

Carcinogenic Substances:

SECTION 16 – OTHER INFORMATION

Safety Data Sheets are updated regularly. Please ensure you have a current copy. SDS can be obtained from our website: www.envirosystems.com.au

The SDS should be used to assist in the Risk Management. Many other factors determine whether the reported Hazards are risks in any given workplace.

Specific Risks may be determined by reference to various Exposure Scenarios, Scale of use, Frequency of use and current or available engineering controls must be considered.

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Emergency Telephone: Info Safe – 1800 638 556, Poisons Centre – 13112