



Safety Data Sheet: GRT7000

GRT Safety Data Sheet
Date /Revised: 30/10/2019
Product: **GRT7000**

Version: 2.0

1. Substance/preparation and manufacturer/supplier identification

GRT 7000

Uses: Polymer Sealant (Environmental), dust suppression, soil stabilisation

Manufacturer/supplier

Global Road Technology Holdings Pty Ltd (ACN: 169 947 139)
4 Activity Court
YATALA QLD 4207
AUSTRALIA
Telephone: +61 5667 8550
Website: www.globalroadtechnology.com

Emergency Information

Poison Information Centre (Australia): 131 126
National Poisons Centre (New Zealand): 0800 POISON (0800 764 766)
Global Road Technology Inquiry Number: +61 5667 8550



2. Hazard Identification

Classified as non-hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

Classified as non-dangerous goods according to NZS 5433:2012 Transport of Dangerous Goods on Land.

Poisons Schedule: 5

3. Composition/information on Ingredients

Chemical nature

Water: < 50
Polymer Emulsion: < 50
Rheology Modifiers: < 2.0
Preservative: < 0.1
Defoamer: < 0.1
Contains less than 0.001% isothiazolone mixture

4. First Aid Measures

On Ingestion:

If swallowed, DO NOT induce vomiting. Keep at rest. Seek medical attention

On contact with eyes:

Flush eyes with large amounts of water, until irritation subsides. Seek immediate medical attention.

On skin contact:

Flush area with large amounts of water and wash area with soap if available. Removed contaminated clothing, including shoes, and launder before reuse. Seek medical attention for skin irritations.

If inhaled:

Remove victim from the affected area; administer artificial respiration. Keep at rest. Seek medical attention.

First Aid Facilities:

Provide eye baths and safety showers

Medical Attention:

Treat according to symptoms. Avoid gastric lavage: this product causes lung damage if aspirated to the lungs.

5. Fire Fighting Measures

This product will not burn, and will not fuel a fire in progress. Shut off product that may 'fuel' a fire in safe to do so. Allow trained personnel to attend a fire in progress providing fire fighters with this Safety Data Sheet. Prevent extinguishing media from escaping to drains and waterways.

Suitable Extinguishing Method:

Water spray, or fine spray mist

Hazards from Combustible Products:

Carbon Dioxide, Carbon Monoxide

Precautions for Fire Fighters and Special Protective Equipment:

Fully self-contained breathing apparatus

Hazchem Code:

NR

6. Accidental Release Measures

Emergency Procedures:

Prevent product from escaping to drains and waterways. Contain leaking packaging in a containment drum. Prevent vapours or dusts from building up in confined areas. Ensure that drain valves are closed at all times. Clean up and report spills immediately.

Methods and Materials for Containment:**Major Land Spill**

- Eliminate sources of ignition. This product will not burn and presents no ignition hazard.
- Warn occupants of downwind areas of possible fire and explosion hazard, where present.
- Prevent product from entering sewers, watercourses, or low-lying areas.
- Keep the public away from the area.
- Shut off the source of the spill if possible and safe to do so.
- Advise authorities if substance has entered a watercourse or sewer or has contaminated soil or vegetation.
- Take measures to minimise the effect on the ground water.
- Contain the spilled product using the resources in the spill kit.
- Recover by pumping – use explosion proof pump or hand pump – or with a suitable absorbent material.
- Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

- See “First Aid Measures” and “Stability and Reactivity”

Major Water Spill

- Eliminate any sources of ignition. This product will not burn and presents no ignition hazard.
 - Warn occupants and shipping in downwind areas of possible fire and explosion hazard, where present.
 - Notify the port or relevant authority and keep the public away from the area.
 - Shut off the source of the spill if possible and safe to do so.
 - Confine the spill if possible.
 - Remove the product from the surface by skimming or with suitable absorbent material.
 - Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.
 - See “First Aid Measures” and “Stability and Reactivity”.
-

7. Handling and Storage

Precautions for Safe Handling:

This product is not combustible and will not burn. The product may induce a slight irritation to the skin or eyes with prolonged use. Employ standard industrial hygiene practices when handling this product.

Conditions for Safe Storage:

Store in a cool, dry place away from direct sunlight. Protect containers from physical damage and check regularly for leaks. Avoid release to the environment, store in bunded areas and ensure exit drains are closed.

Incompatible Materials:

None known; avoid excessive heat, strong oxidisers and strong acids.

8. Exposure controls and personal protection

National Exposure Standards:

The time weighted average concentration (TWA) for this product is: None specified: consider 5 g/m³, which means the highest allowable exposure concentration in an eight-hour day for a five-day working week. The short-term exposure limit (STEL) is: None specified: consider 5 g/m³, which is the maximum allowable exposure concentration at any time. Replacing a TWA or STEL value for some products is a Peak Limitation value (Peak): None applies in this case. In addition to the exposure concentrations may be a subsidiary caution in such cases where the product is a skin sensitiser, represented as (Sen), where none applies in this case.

Biological Limit Values (BLV):

None

Engineering Controls: Ventilation

The use of local exhaust ventilation is recommended to control process emissions near the source. Laboratory samples should be handled in a fume hood. Provide mechanical ventilation of confined spaces. Use explosion proof equipment.

Personal Protective Equipment (PPE):Respiratory Protection:

Where concentrations in air may approach or exceed the limits described in the National Exposure Standards, it is recommended to use a half-face filter mask to protect from overexposure by inhalation. A type 'A' filter material is considered suitable for this product.

Eye Protection:

Always use safety glasses or a face shield when handling this product.

Skin/Body Protection:

Always wear long sleeves, long trousers, or coveralls, and enclosed footwear or safety boots when handling this product. It is recommended that chemical resistant gloves be worn when handling this product.

9. Physical and Chemical Properties

The values listed are indicative of this product's physical and chemical properties. For a full product specification, please consult the Technical Data Sheet.

Appearance	White, Milky, Mobile Solution
Boiling Point / Range	> 100°C
Flash Point	None
Density (@ 15°C)	1.05g/mL; kgm ⁻³
Vapour Pressure @ 20°C	No data available



Vapour Density @ 20°C	No data available
Auto ignition Temperature	No data available
Explosive Limits in Air	No data available
Viscosity @ 20°C	< 2 cSt
Per cent volatiles	< 50%v/v (water)
Acidity/alkalinity as pH	Neutral
Solubility in Water	Miscible with water
Other solvents	None

10. Stability and Reactivity

Chemical Stability:

Stable at standard temperature and pressure

Conditions to Avoid:

Excessive heat, strong oxidisers, and strong acids

Hazardous Decomposition Products:

Carbon dioxide and carbon monoxide

Hazardous Reactions:

None known

Hazardous Polymerisation:

Will not occur

11. Toxicological Information

Acute Effects:

- **Ingestion** - This material will cause discomfort on swallowing. Ingestion of large amounts will result in gastric disturbances, irritation to the oesophagus, throat and stomach. Avoid gastric lavage as material may be atomised and cause lung damage.
-
- **Eye Contact** - Eye contact with this product will cause redness, may induce some swelling and blurred vision.
-
- **Skin Contact** - Contact with skin will result in mild irritations. Some defatting, itching and redness is likely in these situations.
-
- **Inhalation** - This material has low vapour concentrations at ambient temperatures. Inhalation of mists will result in nausea and headaches and can result in lung damage.
-

Chronic Effects:

Persons with pre-existing skin or respiratory conditions may be sensitive to this product. If PPE precautions are observed, there is little likelihood of overt health effects.

Other Health Effects Information:



There are no known long-term health effects with this product.

Toxicological Information:

- Oral LD₅₀: > 2000 mg/kg (rat)
 - Dermal LD₅₀: No data available
-

12. Ecological Information

Ecotoxicity:

Aquatic Toxicity:

- Fish Toxicity LC₅₀: > 10,000 mg/L (brown shrimp)
- Daphnia Magna EC₅₀: No data available
- Blue-green Algae: No data available
- Green Algae: No data available

Persistence / Biodegradability:

Elements of this product are expected to persist.

Mobility:

This product is mobile on dilution with water and, if released to the environment, likely to contaminate waterways and grasslands.

13. Disposal Considerations

The generation of waste should be avoided or minimised wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way.

Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

14. Transport Information

Road and Rail Transport:

Not Classified as Dangerous Goods by the criteria of the "New Zealand NZS 5433:2012 Transport of Dangerous Goods on Land"

Sea Transport

IMDG: Not classified as dangerous goods under transport regulations

Air Transport

IATA/ICAO: Not classified as dangerous goods under transport regulations



15. Regulatory Information

Classified as non-hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

Poison Schedule: 5

Other Registration status

All ingredients in this product are listed on the Australian Inventory of Chemical Substances (AICS).

16. Other Information

Abbreviations:

AICS – Australian Inventory of Chemical Substances

CAS Number – Chemical Abstracts Number

IARC – International Agency for Research on Cancer

PPE – Personal Protective Equipment

NR – Non-regulated

N/A – Not applicable

References:

- Supplier Material Safety Data Sheets
 - <http://hsis.ascc.gov.au/SearchHS.aspx> (8 June 2014)
 - Animal toxicology data: <http://chem.sis.nlm.nih.gov/chemidplus> (8 June 2014)
 - Ecotoxicology data: http://cfpub.epa.gov/ecotox/quick_query.htm (8 June 2014)
 - Sax's Dangerous Properties of Industrial Materials, Richard J Lewis Snr., pub. Canada (2005)
-

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. The document should be taken as a safety guide for the product and its recommended uses, but is in no way an absolute authority.

Please consult the relevant legislation and regulations governing the use and storage of this type of product. For further information, please contact Global Road Technology.
