



Safety Data Sheet: GRT: DamSealer

GRT Safety Data Sheet
Date /Revised: 24/05/2018
Product: **GRT: DamSealer**

Version: 2.0

1. Substance/preparation and manufacturer/supplier identification

GRT: DamSealer

Uses: Sealing of earthen dams

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.

3. Composition/information on Ingredients

Chemical nature

Ingredients determined to be non-hazardous

4. First-Aid Measures

General advice

Remove contaminated clothing.

If inhaled

If difficulties occur after dust has been inhaled, remove to fresh air and seek medical attention if ill-effects persist.

On skin contact

Remove contaminated clothing and wash thoroughly with soap and water.

On contact with eyes

Wash affected eyes for at least 15 minutes under running water with eyelids held open. Seek medical attention if irritation persists

On ingestion

No special treatment required. Do not induce vomiting. As a precaution, rinse mouth with water and give a glass of water to drink. Seek medical attention if ill effects occur

Note to physician

Treat symptomatically

5. Fire-Fighting Measures

Suitable extinguishing media

Product is non-combustible. Use extinguishing media appropriate to source of fire

Specific Hazards:

In the event of a fire, product may evolve toxic gases including oxides of carbon and nitrogen.

Protective Equipment and precautions for fire fighters

Evacuate the area and advise emergency services. Keep upwind of fire and advise persons downwind of the hazard. Toxic gases may be evolved in a fire. Fire fighters should wear full protective equipment including self-contained breathing apparatus. Use water to cool intact containers

6. Accidental Release Measures

PPE and Emergency Procedures:

Use personal protective equipment (PPE). On contact with water, product swells to several times its original volume and becomes extremely slippery. Clean up spills immediately to prevent further accidents. In the event of a large spill, wear personal protective equipment as specified in Section 8. Clear area of all unprotected personnel.

Environmental precautions

Prevent spilled material from entering drains/surface waters/groundwater

Methods for cleaning up or taking up

Sweep or shovel spilled material into suitable containers for reuse or disposal. Avoid generating dust.

7. Handling and Storage

Handling

Observe good personal hygiene practices when handling this product. Wash thoroughly after handling. Avoid contact with eyes, skin and clothing. Do not inhale dust.

Storage

Store in a cool, dry, well-ventilated area out of direct sunlight. Keep the container closed when not in use. Store away from incompatible materials as specified in Section 10.

8. Exposure controls and personal protection

Exposure Standards

None established for this product.

Biological Limits

None allocated.

Engineering Controls

Use in a well ventilated area. If an inhalation risk exists, use mechanical exhaust ventilation. Maintain dust level below the recommended exposure standard for nuisance dust.

PPE

Respiratory protection:

Where an inhalation risk exists, use a Class P1 (particulate) respirator.

Hand protection:

Chemical resistant protective gloves. Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding >480 minutes of permeation time according to EN 374); e.g. nitrile rubber (0.4mm), chloroprene rubber (0.5mm), polyvinylchloride (0.7mm) and other.

Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing. Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection:

Dust-proof goggles.

Body protection:

Coveralls.

General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. Wearing of close work clothing is recommended. No eating, drinking, smoking or tobacco use at the place of work.

9. Physical and Chemical Properties

Form:	Powder/Granule
Colour:	Off-white
Odour:	Odourless
Odour Threshold:	No applicable information available
pH Value:	6 - 8
Melting point:	The substance/product decomposes therefore not determined.
Boiling point:	Not applicable
Flash Point:	Not applicable
Evaporation rate:	This product is a non-volatile solid
Flammability (solid/gas):	Not flammable
Self-ignition:	Not self-igniting
Self-heating ability	It is not a substance capable of spontaneous heating.
Bulk density:	Approx. 0.7 kg/m ³
Solubility in Water:	Partially soluble; insoluble components swell on contact with water
Partitioning coefficient n-octanol/water (log Pow):	Study scientifically not justified
Viscosity, dynamic:	Not applicable, the product is a solid
Fire promoting properties:	Not fire propagating
Explosion hazard:	Not explosive

Other information:

If necessary, information on other physical and chemical parameters is indicated in this section.

10. Stability and Reactivity

Reactivity

Product is a blend of polymers and is considered to be of low reactivity.

Chemical Stability

Stable under recommended conditions of storage and use.

Hazardous Reactions Conditions to Avoid

None known.

Keep away from moisture. Product swells on contact with water with a substantial increase in volume. Avoid heat, sparks, open flames and other ignition sources. Avoid generating dust.

Incompatible Materials Hazardous Decomposition Products

Oxidizing agents, strong acids and alkalis.

If heated to decomposition, this product may produce toxic fumes including oxides of carbon and nitrogen.

11. Toxicological Information

Health Hazard Summary

Product is of low toxicity and low irritant. Use safe work practices to avoid skin and eye contact and inhalation of dust.

Eye

This product may cause irritation if eye contact occurs but is unlikely to cause anything more than mild transient discomfort.



Inhalation

Inhalation of dust may cause mild transient irritation to the upper respiratory tract. Prolonged inhalation of dust may cause more severe symptoms.

Skin

Available data indicate that this product is not harmful. It should present no hazards in normal use. Product may be mildly irritating to some sensitive individuals but is unlikely to cause anything more than mild discomfort which should disappear once contact ceases.

Ingestion

Significant oral exposure is considered unlikely. May be irritating to mucous membranes but is unlikely to cause anything more than transient discomfort. If swallowed in large amounts, swelling of the granules may cause extreme discomfort.

Toxicity Data

The following information was derived from products of similar composition:

Oral LD50 Mouse: >5000mg/kg

Method: Preliminary investigation

12. Ecological Information

Ecotoxicity

No ecological toxicity is expected under normal conditions of use. Aquatic toxicity is unlikely due to low solubility.

Persistence and Degradability

Not readily biodegradable; <10% after 28 days

Bio accumulative Potential

None of the ingredients in this product have any potential to bio accumulate.

Soil Mobility

This product is not likely to be mobile in soil.

Other Adverse Effects

None known.

13. Disposal Considerations

Disposal Methods

Dispose of at an approved waste site. Refer to waste management authority.

Legislation

Dispose of in accordance with relevant local legislation. Contact a specialist waste company or local regulator for advice

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.

Other Regulations

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP): Not Scheduled

Other Registration status

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

16. Other Information

Additional Information

The effects from exposure to this product depend on several factors including frequency and duration of use, the amount used, control measures adopted, personal protective equipment used and method of use. It is impractical to prepare a data sheet that encompasses all possible situations; therefore, it is anticipated that users will assess the risks and apply control measures as appropriate.

Report Status

This document is based on the best available information on the date of issue and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for this product. While all due care has been taken to include accurate and up-to-date information, no warranty as to accuracy or completeness is provided. As far as lawfully possible, Intachem accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of reliance on the information contained in this Safety Data Sheet.

Key/Legend

ADG Code Australian Dangerous Goods

AICS Australian Inventory of Chemical Substances

LD50 LD stands for Lethal Dose. LD50 is the amount of a substance, given all at once, which causes the death of 50% (one half) of a group of test animals.

HSNO- Hazardous Substances and New Organisms

PPE Personal Protective Equipment

Abbreviations

ACGIH – American Conference of Governmental Industrial Hygienists

AICS – Australian Inventory of Chemical Substances

EN - European Standard

GHS - Globally Harmonized System of classification and labelling of chemicals

IATA - International Air Transport Association

ICAO - International Civil Aviation Organization

IMDG - International Maritime Dangerous Goods Code

OECD - Organisation for Economic Co-operation and Development

PPE – Personal Protective Equipment

TLV – Threshold Limit Values

TWA – Time-Weighted Average

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed. 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.
