

SECTION 1 - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Details

Trade Name: DamFix
 Product No: 28 – DFB001
 Recommended Use: Surface applied polymer to seal leaks in earth dams.
 Use Restrictions: Use as recommended only.
 Supplier Details: Kannar Earth Science (Pty) Ltd, P.O. Box 2685, Edenvale 1610, South Africa
 T +27 11 372 4690, F +27 86 554 7636, E info@kannar.co.za, W www.kannar.co.za
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 SDS date: 27 June 2024
 SDS version: v15.05.2024

SECTION 2 - HAZARDS IDENTIFICATION

Classification of the substance or mixture according GHS:

Not Hazardous

Potential Health Effects

Eyes: Dust may cause burning, drying, itching and other discomfort resulting in reddening of the eyes
 Skin: Exposure to dust may cause skin irritation
 Ingestion: As in any instance of ingesting any non-food item, seek medical help in the event of any adverse symptoms.
 Inhalation: Exposure to respirable dust may cause irritation in the respiratory tract and lungs. If required use dust masks.
 Caution: The dry product readily absorbs atmospheric moisture and water, becoming a transparent gel that renders surfaces very slippery. This can present a slipping hazard.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Does not contain components that are classified as hazardous.

SECTION 4 – FIRST AID MEASURES

Eye contact: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Seek medical attention.
 Skin contact: In case of contact, brush off loose dry polymer and flush skin with plenty of water and soap as a precaution. Seek medical attention in case of persistent skin irritation.
 Inhalation: If inhaled, move to fresh air, if symptoms are adverse seek medical help
 Ingestion: Rinse mouth first with water and afterwards drink plenty of water. Seek medical attention, if necessary

SECTION 5 – FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Water Fog, Carbon Dioxide, Dry Powder Foam.
 Fire Hazards: Non-flammable material.
 Caution: The dry product readily absorbs atmospheric moisture and water, becoming a transparent gel slippery. This can become a slipping hazard.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions: Persons with a history of asthma, allergies or chronic or recurrent respiratory disease should only be employed in processes in which this product is used under supervision.
 Avoid contact with skin, eyes and clothing.
 Wash hands after use.
 Protective Equipment: Wear protective clothing to minimise skin contact
 Environmental Precautions: Polymer swells and gels in contact with water - do not allow to enter sewer or storm water systems where blockages could occur. Do not allow to enter rivers or ground water systems where swelled polymer could obstruct natural flows. Inform respective authorities in case of accidental release in sewer systems, storm water systems, rivers or ground water.
 Containment and Clean-Up: Collect and contain DRY spilled polymer in sealed containers to avoid contact with water.

Safety Data Sheet

Spilled polymer that has come into contact with water and has started to swell and gel should be contained and collected with media such as sand, earth, vermiculite or diatomaceous earth.
 Do not flush spilled bulk polymer with water as it will swell and gel making surfaces slippery and the spilled material more difficult to contain.
 Place in a suitable container for disposal in accordance with the waste regulations.
 Do not allow to enter drains or waterways as swelled polymer may cause blockages.

SECTION 7 – HANDLING & STORAGE

Handling: Keep container closed to prevent moisture ingress. Keep away from heat, sparks and flame. Use only with adequate ventilation.

Storage: Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid Freezing. Store between 5° and 35° C

SECTION 8 - EXPOSURE CONTROL / PERSONAL PROTECTION

Work Place

Exposure Limits: Data Not available

LTEL: Long Term Exposure Limits - Time Weight Average (TWA) over 8 hours.

STEL: Short Term Exposure Limits - Time Weight Average (TWA) over 15 Minutes

Note: Limits Shown for guidance only. Follow applicable regulations

Personal Protective Equipment (PPE)

Engineering controls: Use in well - ventilated area.

Respiratory protection: Dust masks recommended.

Eye protection: Normal industrial eye protection practices should be employed.

Skin and body protection: If prolonged or repeated skin contact is likely wear gloves and protective clothing. Good personal hygiene practices should always be followed.

SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

Physical State: Granular Powder

Colour: Off white

Odour: None

pH Value: 7 - 8

Initial Boiling Point: Not applicable

Flash Point: Not Applicable

Flammability: Not applicable

Upper Explosion Limit (UEL): Not applicable

Lower Explosion Limit (LEL): Not applicable

Vapour Pressure: Not applicable

Density: 0.80 – 0.83

Solubility in Water: Miscible in all proportions

Viscosity: 1% aqueous solution has viscosity >5000cPs

Auto-ignition Temperature: Data not available

Decomposition Temperature: Data not available

SECTION 10 – STABILITY & REACTIVITY

Stability: Stable

Materials to avoid: Strong oxidizers and Acids

Hazardous decomposition: Fumes, smoke and carbon monoxide

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute oral toxicity	
Rats - LD50:	Greater than 5000 mg/kg. (Determined to be non-toxic orally.)
Acute inhalation toxicity	
Rats - LC50:	Exposure to respirable dust may cause irritation in the respiratory tract and lungs.
Acute inhalation toxicity	
Rats - LC50:	Data not available
Acute dermal toxicity	
Rabbits - LD50:	Data not available
Skin irritation:	May cause skin irritation
Eye irritation:	May cause eye irritation
Skin Sensitisation:	Data not available
Specific Target	
Organ toxicity:	Data not available
Carcinogenicity:	Does not contain any component listed as carcinogenic.
Reproductive Toxicity:	Data not available
Sensitization to	
Respiratory Tract:	Data not available

SECTION 12 – ECOLOGICAL INFORMATION

Elimination information (persistence and degradability):	
Biodegradability:	Not readily biodegradable
Physicochemical	
Removability:	Not established.
Bioaccumulation:	Not established.
Eco toxicity effects:	
Toxicity to fish	
LC/EC50:	Not Eco toxic
Further info on ecology:	
Remarks:	Do not indiscriminately discharge into lakes, streams, ponds and ground water supply, as the product will absorb water and swell. The product should be used as recommended.

SECTION 13 – DISPOSAL CONSIDERATIONS.

Waste disposal:	Dispose waste as per local rules and government regulations.
Contaminated packaging:	All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

SECTION 14 – TRANSPORT INFORMATION

UN Number	Not Classified as dangerous goods in terms of transport regulations
UN Proper Shipping Name	Not Classified as dangerous goods in terms of transport regulations
Transport Hazard Class(es)	Not Classified as dangerous goods in terms of transport regulations
Packing Group	Not Classified as dangerous goods in terms of transport regulations
Environmental Hazards	Not Classified as dangerous goods in terms of transport regulations

Special Precautions for user:

Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the case of accidental spillages.

SECTION 15 – REGULATORY INFORMATION

Safety, Health and Environmental Regulations/legislations specific to substances or mixtures: None

SECTION 16 – OTHER INFORMATION

Terms of use: This summarises at the date of issue our best knowledge of health, environmental hazard and safety information related to the product, how to safely handle, use, store and transport the product. Since Kannar Earth Science cannot anticipate or control the conditions in which the product may be handled, used, stored or transported, every user must prior to usage review the SDS in relation to intended use, storage and transport of the product in the workplace and elsewhere. Such information should be communicated to all relevant parties. If further information is required, please contact Kannar Earth Science

Kannar Earth Science shall not assume any liability for the accuracy or completeness of the information contained herein or any advice given. Kannar Earth science sole and exclusive warranty is that the products comply with Kannar Earth Science published chemical and physical specifications in effect at the time of sale. Kannar Earth Science liability for claim suits is in all cases limited to the purchase price of the particular quantity of product upon which the claim is based. Under no circumstances shall Kannar Earth Science be liable for loss of profits or any other indirect and consequential loss or damage resulting from improper use of the product.

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