

Current version date: 2024/09/01
Revision date: 2029/08/31

SECTION 1. IDENTIFICATION

GHS product identifier:

Identification as on the label/Trade name: MYTECH® WP

Other means of identification:

Additional information/Alternative name: None

Recommended use of the chemical and restrictions on use:

Identified uses: Entomopathogenic fungus for the control of soilborne plant parasitic nematodes of flowers and vegetables.

Uses advised against: Use only as directed.

Supplier's details:

River Bioscience (Pty) Ltd
5th Floor, Fairview House, Fairview Office Building
66 Ring Road,
Greenacres,
Gqeberha,
6045,
South Africa

Emergency phone number:

River Bioscience Head Office: +27 41 373 1409 (office hours)

Griffon Poison Information Centre: +27 82 446 8946 (national / 24 hours)

Poison Information Helpline: +27 861 555 777 (national / 24 hours)

Hazcall24 (Transport / Spill Emergency): +27 860 444 4111 (national / 24 hours)

SECTION 2. HAZARD IDENTIFICATION

Classification of the substance or mixture:

The mixture is classified according to: United Nations, Globally Harmonized System of Classification, 9th Edition, published 2021.

Hazard classes	Hazard classification category
Acute inhalation toxicity	Category 5

Respiratory sensitization	Category 1
Skin sensitization	Category 1

GHS label elements, including precautionary statements:

Signal Word: Danger.

Hazard Statements:

May be harmful if inhaled.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause an allergic skin reaction.

Hazard pictograms: Health hazard.

Precautionary statements:

Avoid breathing dust.

In case of inadequate ventilation wear respiratory protection.

Wear protective clothing.

Contaminated work clothing should not be allowed out of the workplace.

Dispose of container and contents in accordance with local regulations.

Special labelling of certain mixtures:

Store in a cool, dry place, in a tightly close original pack, away from direct sunlight. Do not freeze and do not allow the product to undergo thermal shock. May be stored in original unopened container for 6 months at temperatures 6 – 12 °C. Keep out of reach of children, uninformed persons, and animals. Store locked up away from food and animal feeds.

Other hazards which do not result in classification:

None.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS
Substance/Mixture:

Mixture.

Chemical identity of the ingredients (IUPAC)	CAS –No.	Concentration (% v/v)	Classification
	EC-No.		GHS 9 th Edition
	N/A	< 2%	No information

<i>Paecilomyces lilacinus</i> isolate F18	N/A		
Diatomite / natural diatomaceous earth / amorphous silica (SiO ₂)	61790-53-2	> 90%	Causes serious eye irritation May be harmful if swallowed May cause respiratory irritation
	612-383-7		

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4. FIRST AID MEASURES

Description of necessary first aid measures:

In case of inhalation: If inhaled, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms, get medical help immediately.

In case of skin contact: Wash with plenty of water. If skin irritation or rash occurs: Get medical help.

In case of eye contact: Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. Seek medical advice if symptoms persist.

In case of ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. In case of ingestion should persistent symptoms occur consult a doctor.

Most important symptoms/effects, acute and delayed:

Inhalation: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin contact: May cause an allergic skin reaction.

Eye contact: Causes serious eye irritation.

Indication of immediate medical attention and special treatment needed, if necessary:

Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURE

Extinguishing media:

Suitable extinguisher media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media: None known.

Special hazards arising from the mixture:

Silicon oxides, carbon dioxide, carbon monoxide, smoke, fumes, unburned hydrocarbons, aldehydes, and other products of combustion.

Special protective actions for fire-fighters:

Wear protective clothing, eye protection and self-contained respiratory equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures:

For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Isolate area. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk-through spilt material. Avoid breathing dust or contact with eyes. Provide adequate ventilation.

For emergency responders: Isolate area. Keep unnecessary and unprotected personnel from entering the area. Avoid inhalation of dust and contact with eyes. Refer to Section 7, Handling, for additional precautionary measures. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

Environmental precautions:

No specific environmental precautions.

Methods for containment and cleaning up:

Contain spilled material if possible. Sweep up and shovel. Collect in suitable and properly labelled containers. Destroy empty container and do not use for any other purpose.

Dispose and or manage in accordance with the appropriate national or international legislation where the product may be in use.

Reference to other sections:

See section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See section 13 for information on disposal.

Additional information:

None know.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling:

Keep away from children and animals. Prevent contamination of food, feeds and drinking water. Remove contaminated clothing and protective equipment before entering eating areas. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before re-use. Do not breathe in dust, get in eyes or on skin or clothing. Provide appropriate exhaust ventilation at places where dust is formed.

Advice on general safe handling: Read the label before use. Use only as directed. Avoid eye contact and prevent inhalation during handling of the product.

Advice on general occupational hygiene: Do not eat, drink or smoke whilst mixing or applying, nor before washing hands and face.

Conditions for safe storage, including incompatibilities:

Use as directed. Keep container tightly closed and in a dry and well-ventilated place. While in use, the container must be kept cool and in the shade. Store away from foodstuffs and animal feed.

Specific storage requirements: Store in a cool, dry place, in a tightly close original pack, away from direct sunlight. Do not freeze and do not allow the product to undergo thermal shock. May be stored in original un-opened container for 6 months at temperatures 6 – 12 °C.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters:

Occupational exposure limits (OEL): None known.

Biological exposure indices (BEI): None known.

Additional exposure limits under the specific conditions of use: None known.

Appropriate engineering controls:

Handle in accordance with good industrial hygiene and safety practice. Use in a well-ventilated area. Wash hands before breaks and at the end of workday. A Risk Assessment should be conducted before handling is to commence to determine specific exposure control. Ensure that eyewash stations and safety showers are close to the workstation location.

Individual protection measures, such as personal protective equipment (PPE):

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash

contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection: Use safety glasses. If there is a potential for exposure to particles which could cause eye discomfort, wear chemical goggles. Ensure that eyewash stations are close to the workstation location.

Skin protection: Wear appropriate clothing for task or operation. Use chemical resistant gloves. Examples of glove barrier materials include nitrile/butadiene rubber. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Keep working clothes separately. Wash hands, forearms, and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Ensure that safety showers are close to the workstation location.

Respiratory protection: For most conditions no respiratory protection should be needed; however, if discomfort is experienced or when the Risk Assessment shows respiratory protection is required. Where protection is desired, use type P3 dust filter mask. Use with adequate ventilation.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

Physical state: Solid, fine powder (<425µm diameter particles)

Colour: Lilac

Odour: Odourless

Melting point/Freezing point (°C): Not applicable.

Boiling point/range (°C): Not applicable.

Flammability: Not applicable.

Upper/lower flammability/explosive limits: Not applicable.

Flash point (°C): Not applicable.

Auto-ignition temperature (°C): Not applicable.

Decomposition temperature: Not applicable.

pH (at concentration): Not applicable.

Viscosity (dynamic) (cP): Not applicable.

Water solubility (g/l) at 20°C: Not applicable.

n-Octanol / Water partition coefficient: Not applicable.

Vapour pressure (20°C): Not applicable.

Density / relative density (20°C) (g/ml):

Bulk density: Bulk volume fluffed: 0.37dm³/100gm (100ml/22.3gm).

Bulk volume jolted: 0.32dm³/100gm (83ml/22.3gm).

Relative vapour density: Not applicable.

Particle characteristics (nm): <425µm diameter particles.

Physical hazards:

None known

SECTION 10. STABILITY AND RELIABILITY

Reactivity:

No specific test data related to reactivity available for this product or its ingredients.

Chemical stability:

Stable under normal conditions of use. No dangerous reactions known under normal conditions of use.

Possibility of hazardous reactions:

Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid:

Live organisms; do not expose to extreme conditions or sunlight.

Incompatible materials:

Strong oxidising agents and certain chemicals often found in pesticides (including: triazoles, benomyl and imazalil).

Hazardous decomposition products:

Not known.

SECTION 11. TOXICOLOGICAL INFORMATION**Information on toxicological health effects:****Acute toxicity:**

Oral LD₅₀ – >5000 mg/kg.

Dermal LD₅₀ – No information available.

Inhalation LC₅₀ - >5.0 mg/L.

Skin corrosion/irritation: No information available.

Serious eye damage/irritation: Causes serious eye irritation.

Respiratory or skin sensitization: May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.

Germ cell mutagenicity: No information available.

Carcinogenicity: No information available.

Reproductive toxicity: No information available.

STOT-single exposure: No information available.

STOT-repeated exposure: No information available.

Aspiration hazard: No information available.

Information on the likely routes of exposure:

No information available.

Symptoms related to the physical, chemical, and toxicological characteristics:

No known symptoms.

Delayed/Immediate/Chronic effects from short- and long-term exposure:

No information available.

Numerical measures of toxicity (ATE):

ATE Calculation not required.

Interactive effects:

No information available.

Other information:

Not toxic.

SECTION 12. ECOLOGICAL INFORMATION

Information on ecotoxicological effects:

Toxicity: Data not available.

Persistence and degradability: Data not available.

Bio-accumulative potential: Data not available.

Mobility in soil: Data not available.

Other adverse effects: Information given is based on ecotoxicological knowledge of the product and when following recommended end use and product is not released to the surface water. This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods:

Dispose of container/contents in accordance with national or international regulations.

Physical/chemical properties affecting disposal: None known.

Special precautions for incineration or landfill: Do not burn container or product. Recycle as far as possible.

SECTION 14. TRANSPORT INFORMATION

Transporting/Shipping information:

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN-Number	Not regulated	Not regulated	Not regulated
UN Proper shipping name:	Not required	Not required	Not required
Transport hazard class:	Not required	Not required	Not required
Packaging group:	Not required	Not required	Not required
Environmental hazards:	No	No	No
Special precautions for user:	Not required	Not required	Not required

Transport in bulk according to IMO instruments:	Not required	Not required	Not required
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Other information:

Keep dry. Store at temperatures not exceeding 6-12°C.

SECTION 15. REGULATORY INFORMATION
Safety, health, and environmental regulations specific for the product in question:

Regulatory status of the substance/mixture: Registered under the "Fertilizer, Farm Feeds, Agricultural Remedies and Stock Remedies Act, 1947 (Act No 36 of 1947), regulating agricultural remedies in South Africa.

Relevant safety/health/environmental regulations: The labels and SDS of this product complies with the Occupational Health and Safety Act, 1993 (Act N 85 of 1993), and the Regulations for Hazardous Chemical Agents, 2021, in South Africa.

SECTION 16. OTHER INFORMATION
Preparation date and revision number:

Current version date:	Current version:
2022/07/01	1.0 / 2022
2023/07/01	1.0 / 2023
2024/09/01	1.0 / 2024

Revision changes: Section 1: Update of emergency phone numbers.

Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

Notice to readers:

Employers should use this information only as a supplement to other information gathered by them and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees.

This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.