

AmyProtec 42

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Registered and Distributed By: Andermatt Madumbi
Postnet Suite 20, Private Bag X6011,
Hilton, 3245
Emergency Telephone no.:27 (0)33 342 3984

Manufactured by: ABiTEP GmbH
Glienicke Weg 185
D – 12489
Berlin
Emergency Telephone no.:49 (0)30 30369 500

2. COMPOSITION/INFORMATION ON INGREDIENTS

Product description: Culture broth with spores of non pathogenic microorganism *Bacillus amyloliquefaciens* FZB42, belonging to risk-group 1 (does not endanger), and conservation agent 1,2-propandiol

Hazardous ingredients: None

3. HAZARDS IDENTIFICATION

Important hazards: None, according to EEC criteria this product is NOT classified as a "hazardous preparation"

4. FIRST AID MEASURES

Skin Contact: Immediately wash with water
Eye Contact: Flush with water
Ingestion: Seek medical advice

5. FIRE FIGHTING MEASURES

Extinguishing Media: Water, Foam, Carbon dioxide, etc
Hazardous Decomposition Products: none

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions: Avoid direct discharge into food or feed.
For a large spillage contain by damming
Avoid infiltration of large volumes into drains, surface water, groundwater and soil.

Personal precautions: Respiratory protection, safety goggles and gloves are recommended.

Destruction and clean up: Sweep or vacuum into a suitable container for disposal and wash area with water.

7. HANDLING AND STORAGE

Handling: Comply with instructions for use.
Storage: Avoid contaminations of the surrounding area.
Floor of the depot should be impermeable
Stable under normal storage conditions. Keep dry.
Product should only be kept in original packaging, plastic containers recommended.

Incompatible materials: None

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Engineering measures:	No specific measures are required provided the product is handled in accordance with general rules of occupational hygiene and safety.
Personal protection:	
Hand protection:	Prolonged and/or repeated handling: Impermeable protective gloves.
Eye Protection:	Prolonged and/or repeated handling: Safety glasses
Skin and body protection:	Prolonged and/or repeated handling : Protective clothing No specific/particular action required for this product. Comply with general rules of occupational health and safety.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Slightly viscous liquid
Colour:	yellow to slightly brown
Odour:	non till light specific
pH:	6.5 – 7.0
Solubility in water:	> 100%
Solubility in organic solvents:	None
Boiling point:	Not determined
Melting point:	Not determined
Flash point:	Not determined
Oxidising properties:	Not determined
Specific gravity:	Aprox. 1.0 kd/dm ³

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions of use.
Hazardous reactions:	No dangerous reaction known with common products.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	LD ₅₀ oral (rat): >25 ml (of 1.5% suspension)/kg (No effects)
Local effects:	May cause slight temporary irritation to ocular mucous membranes

12. ECOLOGICAL INFORMATION

Destination of product:	Ultimate destination of the product: SOIL
Aquatic toxicity:	No known toxicity

13. DISPOSAL CONSIDERATIONS

The product and contaminated packaging may safely be disposed of in a land fill or according to local regulations. There is no danger releasing the product into environment and residues may be disposed in sewage drains.

14. TRANSPORT INFORMATION

There are no transport restrictions for this product.

15. REGULATORY INFORMATION

Symbol:	Not applicable to a living organism
Risk Phrases:	None – Non toxic
Safety Phrases:	Keep locked up and out of reach of children, uninformed persons and animals Wash hands after use
National Legislation:	Fertilizers, Farm Feeds, Agricultural Remedies and Stock Remedies Act (Act 36 of 1947)

16. PACKING AND LABELLING

Product is packaged in 500ml wide-mouthed plastic bottles and sealed with a white cap. For bulk transporting, 10 of these bottles are packed into a cardboard box. The bottles are labelled according to South African regulations and guidelines (Act 36 of 1947).

17. OTHER INFORMATION

Recommended Uses: Plant growth stimulatory agent and biological bactericide for various applications.

All information provided in this Material Safety Data Sheet (MSDS) is based on the current state of scientific and technical knowledge and is presented in good faith and believed to be correct. It is the responsibility of persons in receipt of this MSDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come into contact with this product.

The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended.

This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product.

The aim of the mandatory regulations mentioned is to help the user to fulfil his obligations regarding the use of hazardous products. This information is not exhaustive.

This does not exonerate the user from ensuring that legal obligations, other than those mentioned, relating to the use and storage of the product, do not exist. This is solely his responsibility.

Andermatt Madumbi makes no representation or warranties, either expressed or implied, including without limitation any warranties of merchant ability, fitness for a particular purpose with respect to the information set forth herein or the product to which the information refers. Accordingly, Andermatt Madumbi will not be responsible for damages resulting from use of or reliance upon this information.
