



MATERIAL SAFETY DATA SHEET

Product Name: Bio Plant ManTrain

1. Product and Company Identification

Supplier: AgriLibrium (Pty) Ltd
Suite #120
Private Bag X1
Melkbosstrand
7437
South Africa

Telephone No: +27 (0) 21 553 4867

Fax No: +27 (0) 862181770

Emergency Telephone Number: +27 (0) 83 656 7780

2. Composition / Information on Ingredients

Product description:

Water soluble Manganese product supplying this mineral in a bio-available form to optimize metabolism and the Anti-Oxidant system where inherent shortages occur.

CAS NO: Not available
EINECS NO: Not available
Dangerous Ingredients: None
Hazchem: Inert

3. Hazards Identification

Important hazards: Non Hazardous

4. First Aid Measures

Not expected to require first aid measures

Skin Contact: Wash with water
Eye Contact: Flush with water
Ingestion: Drink water

5. Fire Fighting Measures

Extinguishing Media: Not considered a fire hazard
Special Hazards: Not considered an explosion hazard
Protection of Firefighters: In the event of a fire, wear full protective clothing and an approved self-contained breathing apparatus
Hazardous Decomposition Products: None

MSDS : Vital Plant ManTrain

DATE : 30 January 2013

REVISION : 4

PAGE 1 OF 3

6. Accidental Release Measures	
Personal Precautions:	Ventilate area of spill
Environmental Precautions:	Will not harm the environment
Small and Large Spills:	Collect any spilt material and place in suitable container
7. Handling and Storage	
Handling /Storage:	Store under cool conditions
Incompatible Materials:	None
8. Exposure Controls / Personal Protection	
Personal Protection:	Product not dangerous
Hand Protection:	The product is not a skin irritant.
Eye Protection:	The product is not an eye irritant, but safety goggles are recommended
Skin & Body Protection:	The product is not a skin irritant
9. Physical and chemical properties	
Physical State:	Liquid
Colour:	Colourless
Odour:	None
pH (10% solution):	4.8 ± 1
Dry Matter:	N/A
Density:	1160 kg/m ³
10. Stability and reactivity	
The product is stable for several years under cool storage conditions	
Conditions to Avoid:	Mixing with incompatible substances
Incompatible Materials:	Strong oxidising agents
Hazardous Decomposition Products:	Not Applicable
11. Toxicological Information	
LD₅₀:	> 5 g/kg
Local Effects:	None
Skin and Eye Contact:	None Found
Chronic Toxicity:	None Found
Carcinogenicity:	None Found
Mutagenicity:	None Found
Reproductive Hazards:	None Found
12. Ecological information	
Fish Toxicity:	According to OECD method No. 203 this product is classified as not fish toxic
Biodegradability:	According to OECD method No. 302B, this product is classified as inherently biodegradable

MSDS : Vital Plant ManTrain		
DATE : 30 January 2013	REVISION : 4	PAGE 2 OF 3

13. Disposal Considerations

Disposal Methods:	Dispose to general waste
Disposal of Packaging:	Empty drums and dispose of in accordance to local legislation
UN Number:	Not regulated
SABS 0228	Not regulated

14. Transport Information

No transport regulations for this product
Tremcard Number: Not Applicable

15. Regulatory Information

Not classified as dangerous for supply or conveyance

16. Other Information

Other Special Considerations: None Identified
History:

Date of Issue: 30/01/2013
Validated by: Dr C.Malan on 30/01/2013

Notice to Reader:

The information and recommendations presented in this data sheet are to the best of our knowledge and belief accurate and reliable, but do not constitute a warranty. None of our representatives or agents are authorised to give any guarantee or warranty or make any representation in addition or contrary to the above, and we do not accept liability for claims of any kind for any loss, including, without limitation, consequential loss, injury or damage arising from the use of the information or recommendations, or of the products, which are subject matter hereof. The products are sold subject to our standard conditions of sale and tender, copies of which are available on request. This data is the sole property of AgriLibrium (Pty) Ltd and may not be duplicated, copied or reproduced in part or in its entirety unless agreed to in writing by AgriLibrium (Pty) Ltd.