

V12 Multi

Act 36 of 1947 Group II Fertiliser. Reg B4512

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

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

Manufactured by: Industrial and Consulting Services cc.
P.O. Box 1168
Hyper by the sea
Durban 4053
South Africa

2. COMPOSITION/INFORMATION ON INGREDIENTS

Product description: A blend of specific plant supportive vitamins and minerals chelated with amino acids.

Uses: Foliar Fertiliser

Composition: Macro and micro element mix.

Dangerous ingredients: None

3. HAZARDS IDENTIFICATION

Important hazards: None

4. FIRST AID MEASURES

General: The product is in no way toxic or hazardous but should still be kept out of reach of children and stored in its original containers.

Inhalation: Remove to fresh air. See a doctor if an allergic reaction occurs

Skin Contact: Wash with water. Seek medical advice if irritation occurs.

Eye Contact: Flush with water. Seek medical advice if irritation continues after flushing.

Ingestion: Drink water. Seek medical advice if irritation occurs.

Advice to physician: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Type of material: Non-combustible liquid

Extinguishing Media: Use media appropriate to surrounding fire.

Hazardous Decomposition Products: N/A

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions: Although the product is completely non-toxic it is still advisable to avoid the infiltration of large volumes into drains, surface water or ground water.

Personal precautions: Respiratory protection and safety goggles are recommended.

Destruction and clean up: Sweep or drain as much of the spilled volume as possible into a suitable container for disposal in accordance with local regulations. Wash area of remaining residue with water.

7. HANDLING AND STORAGE

Handling: Take precautions to prevent excessive contact with skin.
Wash hands well after handling.
Avoid contact with eyes and inhalation of spray mist.

Storage: Store the product in its original container in a cool, shaded area. Suitable for all general storage areas.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Respiratory protection:	Work with product in a well-ventilated area.
Hand protection:	The product is not a skin irritant but an allergic reaction may still be possible in sensitive people. Rubber gloves should be worn.
Eye protection:	The product may cause slight eye irritation. Safety goggles should be worn.
Skin and body protection:	The product is not a skin irritant although an allergic reaction is possible in sensitive people.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	liquid
Colour	dark brown
Odour	slight smell
pH	6.5 – 8.5
Density	1.33
Solubility	fully miscible in water
Boiling point	N/A
Flash point	N/A
Melting point	N/A

10. STABILITY AND REACTIVITY

Stability	The product is stable under ordinary conditions of use and storage. The product may settle out over time and should thus be shaken well before use
Compatibility	V12 <i>Multi</i> is compatible with the majority of agricultural remedies. Mixing with strong acid or alkalis may cause precipitation of solids. A miscibility test should be done before mixing with other chemicals.

11. TOXICOLOGICAL INFORMATION

None available

12. ECOLOGICAL INFORMATION

None available

13. DISPOSAL CONSIDERATIONS

None available

14. TRANSPORT INFORMATION

There are no specific transport regulations for this product.

15. REGULATORY INFORMATION

Act 36 of 1947 Group II Fertiliser. Reg B4512

16. PACKING AND LABELLING

Product is packaged in 20L or 5L high grade plastic drums. The drums are labelled according to South African regulations and guidelines (Act 36 of 1947).

17. OTHER INFORMATION

The above information is provided only as a means of describing the product for the purpose of health and safety.

Madumbi Sustainable Agriculture and Industrial and Consulting Services cc. make 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, Madumbi Sustainable Agriculture and Industrial and Consulting Services cc. will not be responsible for damages resulting from use of or reliance upon this information.

