

# V<sup>12</sup> Initiate

Act 36 of 1947 Group II Fertiliser: Reg. B4513

## MATERIAL SAFETY DATA SHEET

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### 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

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### 2. COMPOSITION/INFORMATION ON INGREDIENTS

**Product description:** Specific plant supportive macro and micro elements chelated with amino acids blended with a range of organic plant growth stimulants.  
**Uses:** Fertiliser  
**Composition:** Kelp, Gypsum, Diatomaceous earth, Macro and Micro element mix  
**Dangerous ingredients:** None

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### 3. HAZARDS IDENTIFICATION

**Important hazards:** None

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### 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.

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### 5. FIRE FIGHTING MEASURES

**Type of material:** Non-combustible liquid  
**Extinguishing Media:** Use media appropriate to surrounding fire.  
**Hazardous Decomposition Products:** N/A

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### 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.

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### 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.

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## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

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

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state</b>	Viscous liquid
<b>Colour</b>	brown
<b>Odour</b>	slight smell
<b>pH</b>	3
<b>Density</b>	1.5
<b>Solubility</b>	Miscible in water. Micronised component in suspension.
<b>Boiling point</b>	N/A
<b>Flash point</b>	N/A
<b>Melting point</b>	N/A

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## 10. STABILITY AND REACTIVITY

<b>Stability</b>	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
<b>Compatibility</b>	<i>Initiate</i> is compatible with the majority of agricultural remedies. Mixing with strong acid or alkalies may cause precipitation of solids. A miscibility test should be done before mixing with other chemicals.

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## 11. TOXICOLOGICAL INFORMATION

None available

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## 12. ECOLOGICAL INFORMATION

None available

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## 13. DISPOSAL CONSIDERATIONS

None available

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## 14. TRANSPORT INFORMATION

There are no specific transport regulations for this product.

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## 15. REGULATORY INFORMATION

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## 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).

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## 17. OTHER INFORMATION

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

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