

Madumbi Humate Crystals

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Registered and Distributed By: Madumbi Sustainable Agriculture
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Pietermaritzburg 3200
Emergency Telephone no.:27 (0)33 342 3984

2. COMPOSITION/INFORMATION ON INGREDIENTS

Product description: Granular Potassium Humate, Fertilizer for Agricultural use.
Dangerous ingredients: None

3. HAZARDS IDENTIFICATION

Important hazards: None
Risk Phrases: Inhalation, skin and eye contact may cause slight irritation.
Safety Phrases: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
After contact with skin, wash immediately with plenty of water.
If ingested, rinse mouth and drink plenty of water. Seek medical advice.
Wear suitable protective clothing, gloves and eye/face protection.
In all cases if irritation persists seek medical advice immediately

4. FIRST AID MEASURES

Symptoms and effects: No typical symptoms and effects known
General: In all cases of doubt, or when symptoms persist, seek medical attention.
Inhalation: Move to fresh air. Seek medical advice.
Skin: Remove contaminated clothing and wash area with plenty of water. Seek medical advice if irritation develops. Launder clothes before reuse.
Eye: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical advice.
Ingestion: Rinse mouth and drink plenty of water. Ingestion of large amounts may cause gastrointestinal irritation. Seek medical advice.
Advice to physician: Symptomatic treatment is advised.

5. FIRE FIGHTING MEASURES

Extinguishing media: Use appropriate to surrounding fire conditions.
Special exposure hazards None
Hazardous decomposition/combustion products: None

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: The usual precautions for handling chemicals should be observed,
Environmental precautions: Environmental precautions: Prevent material from entering sewers, waterways, or low areas.
Methods for cleaning up: Dilute and wash away with large amounts of water.
Additional advice: Dispose of in accordance with local regulations

Other information for personal protection see Section 8.

7. HANDLING AND STORAGE

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| Fire and explosion: | No specific recommendations. |
| Storage requirements: | Store out of sunlight. Suitable for general storage areas. Keep out of the reach of children. |
| Other information: | Avoid generation of large quantities of dust. |

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

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| Engineering controls: | The usual precautionary measures for handling chemicals should be observed. |
| Exposure limits: | No exposure limit has been established |
| Personal protection: | |
| Respiratory: | Wear suitable dust mask. |
| Hand: | Wear suitable gloves. |
| Eye: | Safety glasses. |
| Skin and body: | No specific recommendations. |
| Hygiene measures: | Avoid inhalation of dust and contact with skin and eyes. Wash hands and face after handling the product. Wash contaminated clothing before re-use. |
| Other information: | The usual precautions for handling chemicals should be observed. |

9. PHYSICAL AND CHEMICAL PROPERTIES

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| Appearance: | Black shiny granule or crystal. 2-5mm. |
| Boiling point/range: | n/a |
| Flash point: | n/a |
| Flammability: | Not flammable |
| Explosive properties: | n/a |
| Explosion limits: | n/a |
| Oxidizing properties: | None known |
| Vapour pressure: | Not known |
| Specific Gravity | 0.9 |
| Bulk density: | N/A |
| Solubility in water: | 85% by weight |
| Solubility in other solvents: | Not determined |
| pH value: | 4-6 |

10. STABILITY AND REACTIVITY

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| Hazardous reactions: | None known |
| Conditions to avoid: | None known |
| Materials to avoid: | None known |
| Hazardous decomposition products: | None known |

11. TOXICOLOGICAL INFORMATION

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| Name: | Potassium Humate Granules |
| Toxicity Data | No data available |

12. ECOLOGICAL INFORMATION

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| Ecotoxicity | No data available. Not considered toxic. |
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13. DISPOSAL CONSIDERATIONS

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| Product: | Dispose of in accordance with local regulations. Avoid contamination of ponds, waterways or ditches with chemical or used container. |
| Spilled Material: | Sweep up, wash away with plenty of water. |
| Contaminated packaging: | Empty containers can be disposed of in accordance with the local regulations. |

14. TRANSPORT INFORMATION

There are no transport regulations or restrictions for this product.

15. REGULATORY INFORMATION

None applicable.

16. OTHER INFORMATION

This information only concerns the above mentioned product and does not need to be valid if used with other product(s) or in any process. The information is to our best present knowledge correct and complete and is given in good faith but without warranty. It remains the user's own responsibility to make sure that the information is appropriate and complete for his special use of this product.

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