



MATERIAL SAFETY DATA SHEET

Date of Issue: 07.12.2007

STATEMENT OF HAZARDOUS NATURE

Not classified as hazardous according to criteria of Worksafe Australia

COMPANY NAME & ADDRESS

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PRODUCT IDENTIFICATION

Product Name : **Multicrop Take Root Plant Cutting Powder.**
U.N. Number : Not Applicable.
Hazchem Code : Not Applicable.
Dangerous Goods Class : Not Applicable.
Poisons Schedule : Not Applicable.
Active Constituents : Indole Butyric Acid (IBA), Naphthalene Acetic Acid (NNA).
Active Constituents Qty : 0.5g/kg; 0.5g/kg.
CAS No. : 133-32-4; 86-87-3.
Molecular Formula : $C_{12}H_{13}NO_2$; $C_{12}H_{10}O_2$.

Use : Multicrop Take Root is a plant growth regulator that promotes cell elongation and root formation. When used as directed, Multicrop Take Root stimulates root initiation, root formation and subsequent growth on cuttings. With combination of two active ingredients, (IBA and NNA) Multicrop Take Root is effective over a wide range of plant types, including woody and herbaceous plants.

PHYSICAL PROPERTIES & DESCRIPTION

Appearance : White powder.
Boiling Point (760mmHg) : Not Applicable.
Corrosiveness : Non-corrosive.
Evaporation : Not Applicable.
Flammability : Non-flammable.
Flash Point (°C) : Not Applicable.

Odour : None.
Oxidizing/Reducing : None.
pH : Not Applicable.
Solubility (% by wt) : Insoluble in water.
Bulk Density (g/cc) : 1.0
Stability : Stable.

HEALTH HAZARD INFORMATION

Health Hazard : The toxicological effects of IBA in particular, and NAA appear to have not been thoroughly investigated. Where-ever possible, prevent inhalation and minimize direct contact with the eyes and skin.

HEALTH EFFECTS:

Ingestion : The active ingredients IBA and NAA, may be harmful if swallowed in sufficient quantity.

Eye : IBA and NAA may cause severe eye irritation. The product will cause the eye to dry out.

Skin : IBA and NAA may be harmful if absorbed through the skin in sufficient quantities.

Inhaled : IBA and NAA may be harmful if inhaled. May cause irritation to mucous membranes and upper respiratory tract.

FIRST AID:

Ingestion : Give plenty of water to rinse mouth and to drink (only if person is fully conscious). Seek medical attention.

Eye : Hold eye lids open and irrigate with copious quantities of water for at least 15 minutes. Seek medical attention immediately.

Skin : Remove contaminated clothing and immediately wash skin (exposed parts) and clothes with plenty of warm water and soap. Seek medical attention if irritation occurs. Wash clothes before re-use.

Inhaled : If irritation occurs, remove person to fresh air and rest. Give oxygen if breathing is difficult. Seek medical attention if irritation occurs.

Notes to Physician : Treat symptomatically.

Acute Oral LD₅₀ : IBA 100mg/kg (Mouse)
Acute Oral LD₅₀ : NAA 743 mg/kg (Mouse); 1000 – 5900 mg/kg (Rat)
Acute Dermal LD₅₀ : NAA > 5000mg/kg (Rabbit)

PRECAUTIONS FOR USE

- Personal Protection : Maintain good personal hygiene and handle product sensibly and with care. Avoid breathing generated dust. When handling any chemical, it is recommended that eye protection be worn, rubber gloves, long sleeves, trousers and shoes with socks. Wash contaminated clothes and skin immediately with plenty of warm water and soap.
- Ventilation : Avoid breathing generated dust. Natural ventilation is generally sufficient to remove any dust. Open windows and/or doors, etc. as is necessary.
- Flammability : Non-flammable.
- Storage : Close packet as securely as possible after use. Store in a cool, dark place, out of the reach of children.

SAFE HANDLING INFORMATION

- Spillage : Contain spill. Collect spill with damp mop, broom or vacuum cleaner. Avoid excessive dust evolution. Was spill area down with plenty of water.
- Disposal : Washings can be collected and spread around garden beds, lawns and plants etc.
- Storage/Transport : Store in original, closed container, in a cool, dry, dark area. Avoid extremes of temperature and continued exposure to direct sunlight.
- Fire Hazard : None.
- Explosion Hazard : None.

OTHER INFORMATION

None.

DISCLAIMER

This Material Safety Data Sheet has been developed according to Worksafe Australia / NOHSC Guidelines.

All information is as accurate and up to date as possible. Since Multicrop (Aust.) Pty. Ltd. cannot anticipate or control the conditions under which this information may be used, each user should review the information in the specific context of the intended application. Multicrop (Aust.) Pty. Ltd. will not be responsible for damages of any nature resulting from use of or reliance upon this information.

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