



Product: ROOTING HORMONE
EPA Reg. No.: 572-348-869
Effective Date: 01/01/1999

MATERIAL SAFETY DATA SHEET
Emergency Phone 800/535-5053

Size	Product Number	UPC Code
0.4 oz.	06904	0 49424 06904 0
2.0 oz.	06920	0 49424 06920 0

Note: Be sure to compare the EPA registration number as given on the MSDS with the EPA registration number as given on the label as some products have had the active ingredients changed without a corresponding change in the UPC number or in the item description.

1. INGREDIENTS:

Indole-3-butyric Acid 0.10%	CAS No. 133-32-4
Talc 9.90%	CAS No. 14807-96-6

2. PHYSICAL DATA:

BOILING POINT:	N/A
VAPOR PRESSURE:	N/A
VAPOR DENSITY:	(Air = 1) N/A
PH:	N/A
VISCOSITY:	N/A
SPECIFIC GRAVITY:	(Water+1) N/A
SOL. IN WATER:	Dispersible
MELTING POINT:	N/A
COLOR:	White
STATE:	Powder
ODOR:	Odorless

3. FIRE AND EXPLOSION HAZARD DATA:

FLASH POINT:	N/A
AUTO-IGNITION TEMPERATURE:	N/A
LOWER EXPLOSIVE LIMIT:	Not established
UPPER EXPLOSIVE LIMIT:	N/A

4. REACTIVITY DATA:

INSTABILITY:	Stable
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5. ENVIRONMENTAL AND DISPOSAL INFORMATION:

ACTION TO TAKE FOR

SPILLS/LEAKS:

Make sure all personnel involved in clean-up follow good industrial hygiene practices and wear recommended Personal Protective equipment (See Personal Protection Measures section). Maintain maximum ventilation.

**HAZARDOUS DECOMPOSITION
PRODUCTS:**

Possible toxic fumes under decomposition by fire.

6. HEALTH HAZARD DATA:

NFPA RATINGS:

OVEREXPOSURE:

Health-1; Flammability-0; Reactivity-0 (1=slight hazard)
Overexposure may cause irritation of eyes, skin, nose and throat.
Consumption of alcohol before or after exposure may result in headaches, sweating or flushing. Extreme exposure may produce vomiting, nausea or hyperexcitability.



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7. FIRST AID PROCEDURES:

EYE CONTACT:

Flush eyes with plenty of water. Call a physician if irritation persists.

SKIN CONTACT:

Remove contaminated clothing. Thoroughly wash areas of contact with soap and water. Launder clothing before reuse.

INGESTION:

Call a physician or poison control center. Give one or two glasses of water and induce vomiting by touching finger to back of throat. Do not induce vomiting or give anything by mouth to an unconscious person.

INHALATION:

Remove person to fresh air.

8. FIRE FIGHTING INFORMATION:

UNUSUAL HAZARDS:

This product will decompose when heated to temperatures above 100°C and decompose under fire conditions, giving off toxic fumes.

EXTINGUISHING AGENTS:

Water, spray on large fires. Dry chemicals on small fires.

PERSONAL PROTECTIVE
EQUIPMENT:

Wear protective clothing and self-contained respiratory protection when fighting all fires.

SPECIAL PROCEDURES:

Keep containers cool by spraying with water if exposed to fire. Fight fire upwind. Avoid heavy hose streams. Dike area to prevent run-off.

9. ACCIDENT PREVENTION INFORMATION:

PERSONAL PROTECTION MEASURES:

RESPIRATORY PROTECTION:

None with normal use. Respirator for indoor unventilated atmosphere.

EYE PROTECTION:

Goggles recommended.

GLOVES:

Rubber gloves

OTHER PROTECTION:

Wear long-sleeved shirt and long pants to prevent skin contact.

10. ADDITIONAL INFORMATION:

SPECIAL PRECAUTIONS TO BE TAKEN

IN HANDLING AND STORAGE:

Store in a cool dry area designated specifically for pesticides, preferably a locked storage area. Do not store near any material intended for use of consumption by humans or animals. Do not contaminate water, food or feed by storage or disposal. Keep out of reach of children and domestic animals.

11. TOXICITY INFORMATION:

ACUTE DATA:

Oral LD50: Male & Female Rat: 5,000 Mg/kg

Dermal LD50: Male & Female Rabbit: 2,000 mg/kg

Inhalation LC50: 2.02 mg/L

EYE EFFECTS:

Mildly irritating

CARCINOGENICITY:

No evidence of carcinogenic potential observed

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