

MATERIAL SAFETY DATA SHEET

PRODUCT: Plant Prod Ultimate Root Booster (5-15-5)

SECTION 1 - PRODUCT INFORMATION

P.C.P. Act Registration No.: 2010022A

Product Code: 6668360

Chemical Name: 3-Indole butyric acid, Kinetin (Cytokinin), 1-Napthaneacetic Acid (NAA)

6668362

Synonyms: Hormodin

Chemical Family: Not Applicable

Product Use: Fertilizer and Plant Growth Regulator.

TDG Classification: Not Regulated

SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	WEIGHT %	CAS REG #	LD50 (mg/Kg)	T.W.A. - T.L.V.
3-Indole butyric acid (IBA)	0.0425	133-32-4	Oral, rat >2000	-
Kinetin (Cytokinin)	0.0075	525-79-1	Oral, rat >450	
1-Napthaneacetic Acid (NAA)	0.010	86-87-3	Oral, rat >1000	
			Oral, rabbit > 500mg/kg LD ₅₀ for Mixture: >5000mg/kg	

SECTION 3 - PHYSICAL DATA

Physical State: Liquid

Specific Gravity: 1.224 g/ml @ 20°C

Boiling Point: 212 °F (100 °C)

Vapour Pressure: No Data

% Volatiles: No Data

Solubility in Water: Soluble

Appearance\Odour: Light opaque liquid

pH: 7.08

Freezing/Melting Point: No Data

Vapour Density: No Data

Evaporation Rate: No Data

SECTION 4 - FIRE AND EXPLOSION

Flash Point: Not Applicable

Lower Explosion Limit %: Not Applicable

Fire Extinguishing Media: Foam, Carbon Dioxide, Dry Chemical, Water Fog

Fire Fighting Procedures: Wear self-contained Breathing Apparatus and impervious clothing. Minimize amount of water used and contain the run-off.

Other Fire or Explosion Hazards: May emit toxic smoke and vapors if heated to decomposition.

Autoignition Temperature: Not Applicable

Upper Explosion Limit %: Not Applicable

SECTION 5 - REACTIVITY DATA

Stability: Stable

Conditions to Avoid: Intense Heat

Incompatibility (Materials to Avoid): Strong oxidizing agents

Hazardous Decomposition Products: Not Available

Hazardous Polymerization: Will Not Occur

SECTION 6 - HEALTH HAZARD DATA

Acute Effects of Overexposure: May cause irritation to skin with prolong exposure and irritation with eye contact.

Effects of Chronic Exposure: None Known

Other Health Effects: None Known

SECTION 7 - FIRST AID PROCEDURES

Eyes: Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses. If present, after the first 5 minutes, then continue rinsing eyes.

Skin: Remove contaminated clothing and wash all exposed skin surfaces thoroughly with soap and water. If irritation develops, see a physician.

Ingestion Give 1 to 2 glasses (200 to 500 ml) of water to dilute material. Do not induce vomiting. OBTAIN MEDICAL ADVICE

Inhalation: Remove from exposure. If irritation develops, see a physician.

SECTION 8 - PREVENTIVE MEASURES

Respiratory Protection: None required

Eye Protection: Chemical goggles.

Skin Protection: Chemical resistant gloves

Other Personal Protective Equipment: Coveralls.

Engineering Controls: None Required

Handling Procedures and Equipment: Avoid contact with eyes, skin and clothing. Wash thoroughly after use.

Storage Requirements: Store in cool, dry, ventilated area. Keep out of reach of children.

Storage Temperature: Min: 5 °C Max: 40 °C

SECTION 9 - ENVIRONMENTAL PROTECTION DATA

Spill and Leak Procedures: Stop leak and clean up spill immediately. For large spills - contain by diking and absorb with suitable absorbent and transfer into waste containers for disposal. Clean area with soap and water.

Waste Disposal: Dispose of empty container in household garbage. Dispose of waste product in accordance with Local, Provincial or Federal government regulations.

Environmental Effects: Do not contaminate local water supplies or environments.

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Prepared by: Technical Department

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