

Material Safety Data Sheet

Effective Date: 04-JUN-2008
Product: QUANTA

I. IDENTIFICATION

Chemical Name: Indole-3-butyric acid with plant nutrients
Chemical Family: Systemic Plant Growth Regulator & Fungicide
Formula: Not applicable, formulated mixture.
Synonyms: None
CAS Number: 133-32-4 (indole-3-butyric acid)
EPA Number: 5905-566

II. PHYSICAL DATA

Boiling Point: >212 Degrees F.
Freezing Point: <-15 Degrees C.
Spec Gravity: 1.484 gms/cc
Vapor Pressure: Not determined
Vapor Density: Not determined
Solubility: Miscible
Volatiles: Not determined
Evaporation: Not determined
Melting Point: Not applicable
Appearance: Clear, yellow-green liquid with low odor.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
Indole-3-butyric acid	133-32-4	0.0139	N/E	Skin, eye & respiratory irritant.
Blend of ammonia and potassium salts of phosphorous acid in solution.		99.9861	N/E	Skin & eye irritant.

IV. FIRE AND EXPLOSION HAZARD

Flash Point: Non-combustible
Autoignition Temp: Not determined
Flammable Limit: Not determined
Extinguishing Media: Non-combustible liquid. Use extinguishing media suitable for underlying cause of fire.
Special Fire Fight Proc: Wear self-contained breathing apparatus and full protective clothing. Use water spray to keep fire-exposed containers cool.
Fire and Expl Hazard: May produce phosphoric pentoxide or oxides of nitrogen under fire conditions.

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V. HEALTH HAZARD

Carcinogen Information: None currently known.

ACUTE EFFECTS OF OVER EXPOSURE

Swallowing: Ingestion of large amounts may cause irritation of the gastrointestinal tract.
Skin Absorption: None currently known.
Inhalation: Inhalation of spray mists may cause irritation of the upper respiratory tract.
Skin contact: Prolonged or repeated skin contact may cause irritation.
Eye Contact: Severe eye irritation or eye damage may occur with direct contact.
Chronic Effects: None currently known.
Other Hazard: None currently known.

EMERGENCY AND FIRST AID PROCEDURES

Swallowing: If conscious, give milk or water to drink. Do not induce vomiting. Obtain medical attention immediately.
Skin: Wash affected area thoroughly with soap and water. Obtain medical attention if irritation develops. Launder clothing before reuse.
Inhalation: Move to fresh air. If irritation develops, obtain medical condition.
Eyes: Flush eyes with water for at least 15 minutes, holding the eyelids apart. Seek medical attention.
Notes to Physician: In the event of an adverse response, treatment should be directed toward control of the symptoms and the clinical condition of the patient.

VI. REACTIVITY

Stability: Stable
Conditions to Avoid: Extremes of temperature.
Polymerization: Will Not Occur
Conditions to Avoid: None currently known.
Incompatibility material: Avoid contact with caustic soda, chlorates, nitrates, calcium carbide, mild steel, aluminum alloys, brass, tin or galvanized metals.
Hazardous Combustion: May react with some metals (see above) to evolve

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hydrogen, giving rise to potentially flammable or explosive mixtures.

VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: Contain spill and reuse material if uncontaminated. If contaminated, absorb with an inert material, such as clay or sand, sweep up and place in plastic containers for proper disposal. Do not contaminate water supplies, lakes, streams or ponds with spilled product.

Waste Disposal Method: This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

VIII. SPECIAL PROTECTION INFORMATION

Respiration: None needed under normal use conditions.
Ventilation: Local exhaust normally sufficient.
Gloves: Impervious gloves.
Eyes: Splashproof goggles.
Other: Eyewash station, impervious apron and footwear.

IX. SPECIAL PRECAUTIONS

Special precaution: Keep out of reach of children. Do not store with food, feed or other material to be used or consumed by humans or animals. Do not contaminate water supplies, lakes, streams, ponds or drains with this product.

Other precaution: Store in original containers away from excessive heat, but protect from freezing. Store away from bases such as caustic soda, chlorates and nitrates.

X. SHIPPING INFORMATION

Shipping name: Not regulated by DOT, IATA or IMDG.
Hazard Class: None
Identification No: None
Labels Required: None required
Placarding: None
Freight Class: Plant Growth Regulator, Inhibitor or Modifier, Liquid, N.O.I. (NMFC Item 50320, Class 60)

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Chemical Name	Equivalent R.Q.
Not applicable	Not applicable

XI. GENERAL PRODUCT INFORMATION

National Fire Protection Association Rating:
(Rating level: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

Health: 2 Fire: 1 Reactivity: 1

S.A.R.A. Title III Hazard Classification: (Yes/No)

Immediate (Acute) Health: Y	Delayed (Chronic) Health: N
Sudden Release of pressure: N	Fire: N
Reactive: N	

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