

MATERIAL SAFETY DATA SHEET



In the event of a medical or chemical emergency contact
ChemTel, Inc. North American 1-800-255-3924 or worldwide
Intl. + 01-813-248-0585

Voluntary Purchasing Groups, Inc.
230 FM 87
Bonham, Texas 75418

Ferti-lome® Rooting Powder

Effective Date: March 6, 2014

1. PRODUCT AND COMPANY IDENTIFICATION:

PRODUCT: Ferti-lome® Rooting Powder
EPA No.: 572-348-7401

COMPANY IDENTIFICATION:

Voluntary Purchasing Groups, Inc.
230 FM 87
Bonham, TX. 75418

2. HAZARDS IDENTIFICATION:

LABELING SIGNAL WORD:

CAUTION

PRECAUTIONARY STATEMENTS:

Causes moderate eye irritation. Harmful if absorbed through the skin. Avoid Contact with eyes, skin and clothing. Avoid breathing dust or spray mist. Wash with soap and water after handling. Remove contaminated clothing and wash before reuse. Keep out of reach of children.

POTENTIAL HEALTH EFFECTS:

Eye Contact:

Contact with eyes may cause irritation.

Skin Contact:

May cause skin irritation in susceptible persons.

Ingestion:

Ingestion may cause irritation to mucous membranes.

Inhalation:

May cause irritation of respiratory tract.

Aggravated Medical Conditions:

Inhalation may aggravate asthma. Pre-existing dermatitis or sores.

Target organ effects:

Irritation.

3. COMPOSITION/INFORMATION ON INGREDIENTS:

<u>COMPONENTS</u>	<u>CAS #</u>	<u>WEIGHT %</u>
1H-Indole-3-Butyric Acid	133-32-4	0.10
Other Ingredients	N/A	99.9

4. FIRST AID MEASURES:

EYE CONTACT:

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. Call a poison control center or doctor for treatment advice.

SKIN CONTACT:

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

INGESTION:

Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

INHALATION:

Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

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5. FIRE-FIGHTING MEASURES:

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS: In the event of fire, wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES:

PERSONAL PRECAUTIONS: Wear personal protective equipment.
ENVIRONMENTAL PRECAUTIONS: Prevent product from entering drains.
METHODS FOR CONTAINMENT: Clean up promptly by sweeping or vacuum.
METHODS FOR CLEANING UP: Flush with water.

7. HANDLING AND STORAGE:

HANDLING: Avoid dust formation. Avoid inhalation or contact with skin, eyes or clothing. Wear long-sleeved shirt, long pants, shoes, socks and waterproof gloves when handling.

STORAGE: Keep containers tightly closed in a cool, well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

<u>COMPONENTS</u>	<u>ACGIH</u>	<u>OSHA</u>
1H-Indole-3-butanoic acid	Not Listed	Not Listed

ENGINEERING CONTROLS: Use adequate ventilation to keep the airborne concentrations of this material below the recommended exposure standard.

PERSONAL PROTECTIVE EQUIPMENT:

Eye/Face Protection: Eye/face protection is not required, but is recommended in manufacturing situations where contact may occur.
Skin and Body Protection: Usual safety precautions while handling the product will provide adequate protection against this potential effect.
Respiratory Protection: If airborne levels are high or product does not remain intact, use a combination of engineering controls (e.g. ventilation) and personal protection, e.g., NIOSH/MSHA approved respirator for dusts, mists and fumes.

GENERAL HYGIENE CONSIDERATIONS: Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL STATE:	Solid	COLOR:	Light grey
BULK DENSITY:	2.9 g/cc	FLASH POINT:	N/A
APPEARANCE:	Powder	SOLUBILITY:	Insoluble

10. STABILITY AND REACTIVITY:

CHEMICALLY STABLE: Yes
CONDITIONS TO AVOID: Damp or wet conditions.
MATERIALS TO AVOID: None known
HAZARDOUS DECOMPOSITION PRODUCTS: No information available.

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POSSIBILITY OF HAZARDOUS REACTIONS: None

11. TOXICOLOGICAL INFORMATION:

ACUTE TOXICITY:

LD50/oral: >5000 mg/kg, rat
LD50/dermal: >2000 mg/kg, rabbit
LC50/inhalation: >2.02 mg/L, (dust), 4 hr, rat
Eye Effects: Irritating to eyes, rabbit
Skin Effects: Irritating to skin, rabbit
Sensitization: No information available

12. ECOLOGICAL INFORMATION:

ECOTOXICITY EFFECTS:	No known effects.
PERSISTENCE AND DEGRADABILITY:	Not inherently biodegradable.
BIOACCUMULATIVE POTENTIAL:	Does not bioaccumulate.
MOBILITY:	The product is insoluble and floats on water.
AQUATIC TOXICITY:	Not considered to be toxic to aquatic organisms.
ADDITIONAL ECOLOGICAL INFORMATION:	Do not contaminate water with product or its container. Do not empty into drains.

13. DISPOSAL CONSIDERATIONS:

WASTE DISPOSAL METHODS:	In accordance with local and national regulations.
CONTAMINATED PACKAGING:	Do not re-use empty containers.

14. TRANSPORT INFORMATION:

The description shown may not apply to all situations. Consult 49 CFR, or appropriate dangerous good regulations for additional description requirements (e.g. technical name) and mode-specific shipping requirements.

DOT (Land)	Not DOT regulated
DOT (AIR)	Not DOT regulated
DOT (Vessel)	Not DOT regulated

15. REGULATORY INFORMATION:

<u>COMPONENTS</u>	<u>CAS #</u>	<u>CERCLA/SARA 313</u>	<u>CERCLA/SARA 302</u>
1H-Indole-3-butyanoic acid	133-32-4	Not Listed	Not Listed

GENERAL INFORMATION: Contact local authorities for disposal of large quantities of product.

16. OTHER INFORMATION:

NFPA: HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 1

HAZARD RATING: 0=Least; 1=Slight; 2=Moderate; 3=High; 4=Severe

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DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES:

Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith.