

GUI **GROWING-UP** INTERNATIONAL CORP. 
GROWING-UP 31, 3 Alley, 75 Lane, Tai Ping Road, Sec.2, Tsao Tuen, Nantou, TAIWAN
Tel: 886-49-2337927(rep. line) Fax: 886-49-2337928 <http://www.growing8.com/>

Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

- Product Name: LinkNoPests-PLUS® (Botanical Protectant Concentrate / Bulk Liquid)
- Product Use: Bulk botanical extract matrix. Intended exclusively for further industrial manufacturing, dilution, formulation, and local repacking into commercial biopesticides/protectants by authorized facilities. Not for direct retail sale or direct enduser application.
- Manufacturer: GROWING-UP INTERNATIONAL CORP. (TAIWAN)
- Address: 31, 3 Alley, 75 Lane, Tai Ping Rd., Sec.2, Tsao Tuen, Nantou 54263, TAIWAN.
- Contact: <http://www.growing8.com>, TEL: +886-49-2337-927, growing8@growing8.com

2. COMPOSITION / INFORMATION ON INGREDIENTS

This product is a highly concentrated, liquid botanical matrix composed of natural extracts and cold-pressed plant oils. It contains ZERO synthetic chemical pesticides.

- Active Base (Proprietary Plant Oils & Botanical Extracts): Highly concentrated matrix
- Inert Ingredients (Natural Emulsifiers & Water): Balance
- Hazardous Components: None. All ingredients are Generally Recognized As Safe (GRAS) materials.

3. HAZARDS IDENTIFICATION

- Emergency Overview: Amber/yellowish emulsifiable liquid. Non-hazardous and nontoxic to humans and mammals. This product is a bulk agricultural material intended for industrial/facility processing.
- Potential Health Effects:
 - Eye: May cause mild, transient irritation upon direct contact.
 - Skin: Unlikely to cause skin irritation. Prolonged exposure in an industrial setting may cause mild dryness.
 - Inhalation: No inhalation hazard under normal conditions.
 - Ingestion: Not intended for ingestion. May cause mild gastrointestinal upset.

4. FIRST AID MEASURES

- Eye Contact: Flush eyes immediately with plenty of water for at least 15 minutes. Seek medical advice if irritation persists.
- Skin Contact: Wash the affected area with soap and water. Remove contaminated clothing.
- Inhalation: Move to fresh air.
- Ingestion: Rinse mouth with water. Do not induce vomiting. Drink plenty of water and seek medical attention if symptoms persist.

5. FIRE-FIGHTING MEASURES

- Flammability: Non-flammable, but contains natural plant oils which may support combustion if exposed to open flames at high temperatures.
- Extinguishing Media: Use foam, carbon dioxide (CO₂), dry chemical, or water spray.
- Special Fire Fighting Procedures: Wear self-contained breathing apparatus in enclosed areas.

6. ACCIDENTAL LEAKAGE MEASURES

MSDS LinkNoPests-PLUS (item#GU-10801)

• Spill Cleanup: Contain spill with absorbent materials (e.g., sand, sawdust, earth). Pump bulk liquid into suitable recovery containers. Wash the spill area with water and mild detergent to prevent slipping hazards.

7. HANDLING AND STORAGE

- Handling: Wear standard industrial protective gear (safety glasses, gloves) during bulk transfer and blending operations. Avoid direct contact with eyes.
- Storage: Store in industrial bulk containers (e.g., 200L HDPE drums, 1,000L IBC tanks) in a cool, well-ventilated warehouse, away from direct sunlight and extreme heat. Keep containers tightly closed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Ventilation: Good general factory ventilation should be sufficient.
- Eye Protection: Safety goggles are recommended during liquid transfer.
- Skin Protection: Standard industrial rubber or nitrile gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance: Amber / Yellowish-Brown aqueous liquid.
- Odor: Characteristic mild botanical/herbal odor
- Solubility: Fully miscible in water
- Specific Gravity (H₂O = 1): Approx. 0.95 - 1.05 g/cm³
- pH Value: 5.0 - 7.0 (in a 1% aqueous emulsion)
- Boiling Point: > 100°C

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions of handling, storage, and maritime transport.

Conditions to avoid: Extreme temperatures and direct prolonged sunlight.

Materials to avoid: Strong oxidizing agents.

Hazardous Decomposition: Burning may produce carbon monoxide and carbon dioxide.

11. TOXICOLOGICAL INFORMATION

- Toxicity: Non-toxic to humans and mammals. Acts via physical modes of action (e.g., protective barrier) rather than neurotoxic chemical pathways.
- Carcinogenicity: None of the components are listed as carcinogens.

12. ECOLOGICAL INFORMATION

- Environmental Impact: Highly biodegradable. Designed to be eco-friendly with extremely low toxicity to non-target organisms and the environment when formulated and applied correctly.

13. DISPOSAL CONSIDERATIONS

- Waste Disposal: Dispose of in accordance with local, state, and national environmental regulations. Do not discharge large bulk quantities directly into waterways without proper dilution or treatment.

14. TRANSPORT INFORMATION

- Transport Classification: Not regulated for transport (Non-DG).
- Shipping Description: Shipped as general bulk botanical liquid concentrate. Not restricted under ADR (Land), IMO/IMDG (Sea), or ICAO/IATA (Air) dangerous goods regulations.

15. REGULATORY INFORMATION

- Safety/Health Status: This product is an agricultural botanical pre-mix and is not classified as a hazardous chemical or a restricted synthetic pesticide.

16. OTHER INFORMATION

It is hereby certified that this document shows the contents of the Material Safety Data Sheet (MSDS) which accurately reflects its status as a bulk botanical extract matrix strictly for industrial formulation, dilution, and repacking.

GROWING-UP INTERNATIONAL CORP.



JIN-SHENG CHEN CEO

