SAFETY DATA SHEET
ROOTELLA® G

Section 1: Product Information and Company Identification

Product name: Rootella® G **Product use:** Inoculant for agriculture **Product type:** Solid, powder

Importer & Distributor:
Roots, Shoots & Fruits Ltd.
PO Box 72 Waiheke Island
Auckland, New Zealand 1840
Ph: (09) 3729155
Fax: (09) 3729156
Email: rsf@rd2.co.nz

Manufacturer:
Groundwork BioAg Ltd.
Address: 27 Hashahar St., Moshav Mazor 7316000, Israel
Phone: +972-77-5020806
Prepared by: Groundwork BioAg, Ltd.
Date: January 20, 2025
Recommended Use: Inoculant for agriculture
Email: info@groundworkbioag.com

24 hour emergency contact within NZ is 0800 764 766 (0800 POISON)

Section 2: Hazard Identification

- Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.
- Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.
- No hazard symbols required.
- Long-term exposure to any respirable mineral dust could cause slight effects on the respiratory system.

Section 3: Composition / Information on Ingredients

Ingredient	CAS Number	Percent	Exposure Limits
Vermiculite	1318-00-9	91%	None
Non-controlled ingredients		9%	None

Section 4: First Aid Measures

- Eye Contact: Flush generously with fresh water. Avoid rubbing eyes. If irritation develops, seek medical attention.
- Skin Contact: Wash with soap and water. Repeated contact may cause slight irritation. If irritation develops, seek medical attention.
- Inhalation: Move to dust free fresh air. If respiratory distress develops, seek medical attention.
- Ingestion: No adverse effect expected. Drink generous amounts of water to reduce bulk and drying effects and seek medical attention if significant quantities have been ingested.

Section 5: Firefighting Measures

- Explosion Data: Not explosive.
- Extinguishing Media: Product will not burn.
- Flammability: Not flammable or combustible.
- Flash Point: Not applicable.
- Auto Ignition: Not applicable.

Section 6: Accidental Release Measures

- Sweep spilled substances into covered containers: if appropriate moisten first to prevent dusting.
- For extra personal protection use ABEK1 dust mask for inert particles.

Section 7: Handling and Storage

- Use suitable handling procedures to minimize nuisance dust. If dust levels become excessive, wear goggles and ABEK1 dust masks.
- When wet exfoliated product becomes slippery.
- Store in cool, dry, well-ventilated area.
- Keep container tightly sealed when not in use.
- Avoid extreme temperatures, do not refrigerate or freeze.
- Store between 5-25°C (40-77°F) in a dark place and protected from direct sunlight or heat source.

Section 8: Exposure Controls / Personal Protection

- Ventilation: Use exhaust ventilation to keep airborne dust concentration below exposure limits. Additionally, local exhaust ventilation is recommended where dust may be released.
- Respiratory Protection: Use appropriate engineering controls to avoid dust creation or accumulation. Ensure all occupational exposure limits are maintained (5 mg/m^3 on TWA 8 hours for alveolar dust, and 10 mg/m^3 on TWA 8 hours for total inhaled dust). Wear NIOSH or MSHA approved respirator or dust mask in the event of dust creation.
- Skin protection: Use gloves to avoid skin irritation.
- Eye Protection: Eyewash should be available, but eye protection is not required unless physical working conditions demand it.

Section 9: Physical / Chemical Properties

- Appearance: Grayish powder
- Odor: Odorless
- Acidity: Not applicable
- Boiling Point: Not applicable
- Flash Point: Not applicable
- Melting Point: 1330°C
- Vapor Pressure: Not Applicable
- Bulk Density: 0.51 kg./l. (loose) - 0.67 kg./l. (packed)
- Solubility: Water Insoluble
- Particle size: <1000 µm

Section 10: Stability and Reactivity

- Chemical stability: Stable
- Compatibility with other substances: Non-reactive, compatible with all substances
- Hazardous decomposition / byproducts: None expected
- Conditions to avoid: None known

Section 11: Toxicological Information

No toxic effect known, including sensitization, narcosis or carcinogenicity.

Section 12: Ecological Information

- Generally considered chemically inert in the environment.
- Not expected to bio-accumulate.
- Not expected to be Toxic Marine Pollutant.
- No implication to Ozone layer known.

Section 13: Disposal Considerations

Rootella® G can be disposed as non-toxic and inactive material in approved landfill sites in accordance with local regulations.

Section 14: Transport Information

Rootella® G is not classified as dangerous for transportation. It may be transported in accordance with the standard local authority regulations.

Section 15: Regulatory Information

Rootella® G is not classified as dangerous for supply under EEC regulations. Rootella® G does not require labelling for safety information or risk information.

The above information is accurate and reliable to the best of our knowledge, to date. However, this information should not be interpreted as a guarantee of accuracy or be considered complete. No warranty of any kind is given or implied and Groundwork BioAg, Ltd. will not be considered responsible for any damage, loss, injury or consequential damage which may result from the use or reliance on any information contained. Users must to do their own research as to the pertinence of this information for specific use.

Section 16: Other Information

All the microorganisms contained in this formulation are of group 1 according to Directive 2000/54/EC (on the protection of workers from risks related to exposure to biological agents at work). Microorganisms from group 1 are unlikely to cause human disease.