MATERIAL SAFETY DATA SHEET (MSDS)

Product Name: Explode Promoter Nitro

Product Code: EX-NITRO-01

Branding: Revitalising Soil & Water

SECTION 1: Identification

Product Name: Bactallion Explode Promoter Nitro **Product Code:** EX-NITRO-01 **Recommended Use:** Nitrogen-enhancing microbial biostimulant for agricultural and horticultural applications **Supplier:** Bactallion (Pty) Ltd **Emergency Contact:** +27 (0)82 903 3658

“Product name: Bactallion Bio N” (Updated to Explode Promoter Nitro)

SECTION 2: Hazard Identification

- Product is **non-hazardous** under GHS classification.
- Not classified as toxic, corrosive, or harmful.
- May cause mild irritation if inhaled or if contact occurs with eyes.

Precautionary Statements:

- Avoid inhaling dust.
- Avoid contact with eyes.
- Wash hands after handling.

SECTION 3: Composition / Ingredients

A proprietary blend of nitrogen-fixing microbial cultures, organic carriers, and stabilising agents. No hazardous ingredients present at reportable levels.

SECTION 4: First Aid Measures

Eye Contact: Rinse cautiously with clean water for several minutes. **Skin Contact:** Wash with soap and water. **Inhalation:** Move to fresh air. **Ingestion:** Rinse mouth; do not induce vomiting; seek medical attention if discomfort persists.

SECTION 5: Fire Fighting Measures

- Non-flammable product.
- Use standard extinguishing media suitable for surrounding materials.
- No special protective equipment required.

SECTION 6: Accidental Release Measures

- Avoid creating dust.
- Sweep up material and place in suitable container.
- Wash area with water.

SECTION 7: Handling & Storage

Handling:

- Avoid inhalation of dust.
- Use in well-ventilated areas.

Storage:

- Store in a cool, dry place.
- Keep sealed when not in use.
- Avoid exposure to moisture.

SECTION 8: Exposure Controls / PPE

- No special PPE required.
- Optional: dust mask, gloves, safety glasses for bulk handling.

SECTION 9: Physical & Chemical Properties

Appearance: Light beige to yellowish powder **Odour:** Mild, earthy **pH:** Neutral **Solubility:** Dispersible in water **Stability:** Stable under normal conditions

SECTION 10: Stability & Reactivity

- Stable and non-reactive.
- Avoid moisture exposure before use.
- No hazardous decomposition products.

SECTION 11: Toxicological Information

- Non-toxic microbial formulation.
- Low risk of irritation.
- No known chronic health effects.

SECTION 12: Ecological Information

- Environmentally safe.
- Nitrogen-fixing microbes support soil fertility.
- No known negative ecological impact.

SECTION 13: Disposal Considerations

- Dispose of product in accordance with local regulations.
- Packaging may be recycled if clean.

SECTION 14: Transport Information

- Not regulated as a dangerous good.
- No special transport requirements.

SECTION 15: Regulatory Information

- Complies with agricultural biostimulant regulations.
- Not classified as hazardous under GHS.

SECTION 16: Other Information

Prepared by: Bactallion (Pty) Ltd

Branding: **Revitalising Soil & Water**

Updated: October 2026

Document Code: **MSDS-EX-NITRO-01**