

# SAFETY DATA SHEET: R.S.S.I Granules Microbial Inoculant

## 1. IDENTIFICATION

**GENERAL USE:** Microbial Inoculant

**COMMON NAME:** R.S.S.I. Granules Microbial Inoculant

**MANUFACTURED BY:** BioWorks  
 100 Rawson Rd, Suite 205  
 Victor, NY 14564

**EMERGENCY TELEPHONE NUMBERS:** BioWorks: 800-877-9443  
 CHEMTREC: 800-424-9300 (for USA and Canada)

## 2. HAZARDS IDENTIFICATION

**Signal Word:** WARNING



**Pictogram:**

GHS Classification: Eye Irritation – Category 2B  
 Signal Word: Warning  
 Pictogram: None  
 Hazard Statement: Causes eye irritation  
 Precautionary Statements: Wash exposed areas thoroughly after handling.  
 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 If eye irritation persists: Get medical attention.  
 Unclassified Hazards: Dust may cause skin and respiratory tract irritation.  
 Ingredients with Unknown Toxicity: None

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Product contains the following ingredients:

COMPONENT	CAS No.	%	OSHA PEL	ACGIH
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Product contains the following ingredients:

COMPONENT	CAS No.	%	OSHA PEL	ACGIH
<i>Trichoderma harzianum</i> Rifai strain T-22	67892-31-3	0.55	N/E	N/E
<i>Trichoderma virens</i> strain G-41	N/A	0.55	N/E	N/E
Other ingredients	Confidential	98.9	N/E	N/E

N/E = Not Established

The specific chemical identities and percentages of composition have been withheld as trade secrets.

## 4. FIRST-AID MEASURES

**EYE CONTACT:** In cases of contact, hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a physician.

**MOST IMPORTANT SYMPTOMS:** Causes eye irritation.

**IMMEDIATE MEDICAL ATTENTION NEEDED:** None.

## 5. FIRE-FIGHTING MEASURES

**FLASH POINT:** Not applicable.

**AUTOIGNITION TEMPERATURE:** Not determined

**EXTINGUISHING MEDIA:** Not combustible.

**SPECIAL FIRE-FIGHTING PROCEDURES:** Evacuate personnel to a safe area. Keep personnel removed and upwind of fire. Wear self-contained breathing apparatus and full protective equipment.

**UNUSUAL FIRE and EXPLOSION HAZARDS:** None known.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition will produce oxides of carbon and silicon.

## 6. ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES:** Take all additional action necessary to prevent and remedy the adverse effects of the spill. This product should be prevented from entering bodies of water.

**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:** In case of spill, collect material immediately. Wipe residual material from surfaces with cloth. Do not wash residues into drains or other waterways.

## 7. HANDLING AND STORAGE

**PRECAUTIONS FOR SAFE HANDLING:** Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

**PESTICIDE STORAGE:** Do not contaminate water, food or feed by storage and disposal. Store in original container under refrigerated conditions. Short periods at room temperatures below 75° F will not affect performance. Keep container tightly closed when not in use.

## 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

**EXPOSURE LIMITS:** None.

Avoid contact with eyes or clothing. Keep container tightly closed.

### PERSONAL PROTECTION:

**RESPIRATORY:** Mixer/loaders and applicators must wear a dust/mist filtering respirator meeting NIOSH standards of at least N-95, R-95, or P-95.

**OTHER:** Applicators and other handlers must wear protective eyewear, protective gloves, long-sleeved shirt and long pants, and shoes plus socks.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE:</b>	Grey or green powder
<b>ODOR:</b>	Earthy
<b>ODOR THRESHOLD:</b>	Not determined
<b>pH:</b>	Not determined
<b>MELTING POINT:</b>	Not determined
<b>BOILING POINT:</b>	Not applicable
<b>FLASH POINT:</b>	Not applicable
<b>EVAPORATION RATE:</b>	Not determined
<b>FLAMMABILITY/EXPLOSIVE LIMITS:</b>	Not determined
<b>VAPOR PRESSURE at 50°C:</b>	Not applicable
<b>VAPOR DENSITY:</b>	Not applicable
<b>BULK DENSITY at 20°C:</b>	0.61 g/cm <sup>3</sup>
<b>SOLUBILITY in water:</b>	Not applicable
<b>PARTITION COEFFICIENT:</b>	Not determined
<b>AUTO-IGNITION TEMPERATURE:</b>	Not applicable
<b>DECOMPOSITION TEMPERATURE:</b>	Not determined
<b>VISCOSITY at 20°C:</b>	Not determined

## 10. STABILITY AND REACTIVITY

**REACTIVITY:** Not reactive under normal conditions of use.

**STABILITY:** Stable under normal recommended storage and handling conditions. (see section 7)

**HAZARDOUS POLYMERIZATION:** Will not occur.

**INCOMPATIBILITY:** Strong acidic materials.

**HAZARDOUS THERMAL DECOMPOSITION PRODUCTS:** Thermal decomposition will produce oxides of carbon and silicon.

## 11. TOXICOLOGICAL INFORMATION

Active ingredient is practically non-toxic, non-allergenic and non-pathogenic to mammals. Pre-existing medical conditions should not be aggravated by exposure. Repeated exposure to high concentrations of microbial proteins can cause allergic sensitization.

**12. ECOLOGICAL INFORMATION**

FISH TOXICITY: No data available.

DAPHNIA MAGNA TOXICITY: No data available.

ALGAE: No data available.

OTHER: Do not apply directly to water, to areas where surface water is present.

**13. DISPOSAL CONSIDERATIONS**

Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

**14. TRANSPORT INFORMATION**

<b>PROPER SHIPPING NAME:</b>	Not regulated
<b>Land: ADR / RID Class:</b>	Not Regulated
<b>US DOT:</b>	Not Regulated
<b>Canadian TDG:</b>	Not Regulated
<b>Water: IMDG Class:</b>	Not Regulated
<b>Air: IATA - DGR Class:</b>	Not Regulated

**15. REGULATORY INFORMATION****CAUTION**

Dust may irritate the respiratory tract.

Dust may cause eye irritation.

Dust may cause skin irritation.

SARA Hazard Class:

Acute  Chronic  Flammable  Pressure  Reactive  None

SARA 313:  Yes  No, Chemical SARA 302  Yes  No, Chemical

CERCLA:  Yes  No, Chemical RQ: none

RCRA:  Yes  No

NFPA Hazard Rating:

Health: [1]

Fire: [1]

Reactivity: [0]

Special: [1]

HMIS Codes:

Health: [1]

Fire: [1]

Reactivity: [0]

NFPA Hazard Rating Scale:

0 = Minimal 3 = Serious

1 = Slight 4 = Severe

2 = Moderate

HMIS Hazard Rating Scale:

0 = Minimal 3 = Serious

1 = Slight 4 = Severe

2 = Moderate

**GHS label elements:** This product has been classified and labeled according to the Globally Harmonized System (GHS). It is subject to labeling according to the prevailing version of regulations on hazardous substances.

**WHMIS:** This SDS contains all the information required by the Controlled Products Regulations.

**16. OTHER INFORMATION**

**DATE OF PREPARATION:** 19 September 2025

**CONTACT:** BioWorks  
100 Rawson Rd, Suite 205  
Victor, NY 14564

**TELEPHONE:** 800-877-9443

**DISCLAIMER AND LIMITATION OF LIABILITY**

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