

MATERIAL SAFETY DATA SHEET

Product Name	: RhizoN	Issue Date:	01/02/2022
Reference No	: Version 22.01	SDS Number:	RF-SDS643

1. IDENTIFICATION

GHS Product Identifier	RhizoN
Supplier Name	Hunan Tangsons Biotech Co., Ltd
Address	No. 660, Hanguang Road, Changsha, Hunan, PRC
Telephone	(86) 731 85773044
Fax	(86) 731 85773044
Emergency Contact	(86) 137 8724 3647
Recommended Use	Rhizobium inoculant for nodulation

2. HAZARD IDENTIFICATION

Classification of the substance or mixture	Classified as non-Hazardous according to the criteria of GHS. Classified as non-Dangerous Goods according to ADG Code. This material is classified as NON-HAZARDOUS according to the criteria of SafeWork
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3. COMPOSITION/INFORMATION ON INGREDIENTS

Composition Ingredients:	Bradyrhizobium Sinorhizobium	CAS:	Not applicable	% WT 2.53
	Other (Inert ingredients)	CAS:	Not applicable	% WT: 97.47

FIRST AID MEASURES

Inhalation	Move person to fresh air. If person is not breathing, call an ambulance; then give artificial respiration.
Ingestion	Call a doctor immediately if a large amount is swallowed. Have person sip a glass of water if able to swallow. Do not give anything by mouth to an unconscious person.
Skin	Remove contaminated clothing. Thoroughly wash skin with plenty of soap and water.
Eye Contact	Hold eye open and rinse slowly and gently with plenty of water for at least 15 minutes. If present, remove contact lenses and continue rinsing eye.
Advice to Doctor	Remove from source of exposure. If irritation or other signs of toxicity occur, seek medical attention.

4. FIRE-FIGHTING MEASURES

	Use appropriate media for underlying cause involved in the fire.
Suitable Extinguishing Media	No data
Hazard from Combustion Products	No data.
Specific Hazards Precautions	Self-Contained Breathing Apparatus (SCBA) and full protective gear according to the conditions and size of the fire.

5. ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Wear suitable protective clothing, such as long-sleeved shirt, pants, waterproof gloves and shoes with socks.
Clean-up & Disposal	Carefully mop or sweep up spill and place in a closed container for disposal. Rinse area with water.

6. HANDLING AND STORAGE

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Safe Handling	Use handling procedures that minimize exposure to the product.
Safe Storage	Store in cool, dry, well-ventilated location out of direct sunlight in an airtight container after opening. Do not mix with other products while stored.

7. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards	Ensure good ventilation. No exposure limits have been established.
Biological Limit Values	No biological limit allocated.
Engineering Controls	Use process enclosures, local exhaust ventilation, or other engineering controls to reduce airborne exposure at locations/operations where dust may be generated.
Respiratory Protection	Not normally required. However, if needed, use a dust/mist filtering face mask.
Eye Protection	Chemical safety goggles or safety glasses with side shields.
Hand Protection	Gloves made from chemically resistant material such as neoprene, vinyl, rubber or nitrile.
Body Protection	Wear suitable protective clothing such as long-sleeved shirt, pants and shoes with socks.

8. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Brown Liquid, slight odour
Boiling Point	Decomposes
Melting Point	Approx. 0°C information applies to the solvent
Solubility in Water	Miscible in water
Specific Gravity	0.695
pH Value	approx. 5-7
Vapour Pressure	approx. 23hpa(20°C), information applies to the solvent
Vapour Density (Air=1)	approx.1 g/cm3(20°C)
Flash Point	>100 °C
Flammability	not applicable
Ignition Temperature	No information available
Flammable Limits (Lower)	No information available
Flammable Limits (Upper)	No information available

9. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal ambient storage conditions.
Conditions to Avoid	None that are known.
Incompatible Materials	None that are known.
Hazardous Decomposition Products	No hazardous decomposition.
Hazardous Polymerization	None that are known.

10. TOXICOLOGICAL INFORMATION

Toxicology Information	> 5000 mg/kg (rate). Not categorized
Inhalation	> 20.0000 mg/L (Rat). Not categorized
Ingestion	> 5050 mg/kg (rate). Not categorized
Skin	Slightly irritating (rabbit)
Eye	Minimally irritating (rabbit)
Chronic Health Effects	No data available.

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11. ECOLOGICAL INFORMATION

Ecotoxicity	No known conditions.
Persistence/Degradability	No known conditions.
Mobility	No known conditions.
Bioaccumulative Potential	No known conditions.
Environmental Protection	No known conditions.

12. DISPOSAL CONSIDERATIONS

Method	Ecotoxicity	No known conditions.
Persistence/Degradability	No known conditions.	
Mobility	No known conditions.	
Bioaccumulative Potential	No known conditions.	
Environmental Protection	No known conditions.	

Can be land filled or paced in an MSW registered landfill or used as a soil amendment. Follow all federal, state and local regulations.

13. TRANSPORT INFORMATION

Transport Information	Classified as non-dangerous goods according to IATA & IMDG, U.S. DOT –ROAD/ U.S. DOT –RAIL / U.S. DOT –INLAND WATERWAYS
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14. REGULATORY INFORMATION

Poisons Schedule Number	Not scheduled.
Packaging and Labelling	As required by the ADG Code and Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

The ingredients contained in this product listed on the America Inventory of Chemical Substances (AICS).

15. OTHER INFORMATION

Date Prepared	1st Jan 2022
Abbreviations	GHS – Globally Harmonised System of Classification and Labelling of Chemicals
Others	This information summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider this information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

...END OF MSDS...