

Safety Data Sheet

Product Name: EasyRhiz™ Issue Date: October 2020	Version: 3.0 Page: Page 1 of 6
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1. Identification of The Material and Supplier

Product Name	EasyRhiz™ Legume Inoculant
Other Names	Freeze dried legume inoculant
Product Use	For application to legume seed at or prior to sowing
Manufacturer Name	New Edge Microbials Pty Ltd
Address	951 Garland Ave Albury NSW 2640
Telephone Number	02 6025 0044

2. Hazards Identification

Non-hazardous substance. Non dangerous goods. Not classified as Hazardous according to the criteria of NOHSC.

Dangerous goods class	
& subsidiary risk	Not applicable
Hazchem code	Not applicable
Hazard class	Not applicable
Risk phrases	Not applicable
Safety phrases	Not applicable

3. Composition / Information on Ingredients

Ingredient (common name)	<i>Rhizobium / Bradyrhizobium / Sinorhizobium spp.</i> nitrogen fixing bacteria. All microbial species guaranteed to be GM free.
CAS Number	N/A
Proportion (by weight)	<i>Rhizobium / Bradyrhizobium / Sinorhizobium spp.</i> nitrogen fixing bacteria – 100%

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4. First Aid Measures

Inhalation	If difficulty in breathing occurs, move affected person to fresh air. Loosen clothing to ease breathing. Seek immediate medical attention.
Ingestion	Maybe harmful if swallowed. Rinse affected persons mouth with clean water continuously. If irritation persists, seek immediate medical attention.
Skin	If irritation develops seek medical attention. Remove and wash contaminated clothing before reuse.
Eyes	Avoid contact with eyes. May irritate the eyes. Flush eyes with flowing water for at least 15 minutes. If irritation persists, continue to flush with flowing water and seek medical attention.

5. Firefighting Measures

For major fires call the Fire Brigade. Ensure that an escape path is available from any fire.

Suitable extinguishing media Foam, alcohol foam, CO₂, dry chemical, water fog.

Hazardous combustion products Burning will not create noxious fumes.

Fire-fighting equipment Fire fighters should wear butyl rubber boots, gloves and body suit and a self-contained breathing apparatus.

Unusual fire or explosion hazard Not a fire or explosion hazard when stored under normal conditions.

Hazchem Code N/A

6. Accidental Release Measures

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Spills Wear elbow length rubber gloves and half facepiece respirator. Collect and put back into airtight containers. Wash off any contaminated surface with water and detergent. Use disinfectants if possible.

7. Handling and Storage

Handling Exercise normal care in handling. Do not remove from original container until ready to use - avoid contaminating the culture.

Storage Store in the closed original container in a dry area, within a temperature range of 4 - 10°C.

8. Exposure Controls/Personal Protection

Exposure standards None allocated

Respiratory protection Wear a half face piece respirator or dust mask.

Eye protection Chemical goggles, safety glasses or face shield.

Skin protection Elbow length rubber gloves, overalls, apron and boots are necessary to prevent skin contact.

Hygienic practices Open wounds or skin surface disruptions should be covered with a chemical resistant patch to minimize absorption risks. Clean clothing should be worn daily to avoid possible long-term buildup of the product leading to chronic overexposure. Emergency eye wash must be readily available within work area.

9. Physical and Chemical Properties

Appearance Dry off-white powder in a glass vial.

Composition $\geq 5 \times 10^{11}$ /g viable *Rhizobium* / *Bradyrhizobium* / *Sinorhizobium spp.* bacteria in a glass vial. Product under vacuum.

Odour Mild earthy odour

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Solubility in water	Soluble
Boiling Point / Range	N/A
pH	6.5 – 7.0
Evaporation rate	N/A
Vapour density (Air = 1)	N/A
Specific gravity (H ₂ O=1)	0.85
Particle size	> 10 µm
Flash point	N/A
Flammable limit – lower	N/A
Flammable limit – upper	N/A
Moisture content	1.5 – 2.5%

10. Stability and Reactivity

Chemical stability	Stable while stored under vacuum.
Incompatible materials	Avoid storage with compounds that will react with aluminium foil cap or butyl rubber bung.
Hazardous decomposition products	Will not emit noxious fumes.
Hazardous polymerization	Will not occur.
Conditions to avoid	Extremes in temperature. Direct sunlight.

11. Toxicological Information

Routes of exposure	Ingestion, inhalation, eyes, and skin.
Health effects from likely routes of exposure	
Ingestion	Maybe harmful if swallowed.
Inhalation	Prolonged inhalation may lead to respiratory tract irritation.
Eye	Prolonged or repeated exposure may cause mechanical irritation.
Skin	Prolonged or repeated exposure may cause irritation, redness, and inflammation.
Effects of overexposure	Long term exposure may cause mechanical irritation of the eyes as well as skin and respiratory tract irritation.

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Existing conditions

aggravated by exposure May provoke asthmatic response in persons with asthma who are sensitive to airway irritants.

Carcinogenicity No information available.

12. Ecological Information

Ecotoxicity No information available

Mobility No information available

13. Disposal Considerations

Disposal methods and containers

Dispose according to applicable local and government regulations.

Dispose of in a local authority landfill. Dispose of empty packaging by wrapping and placing in the garbage disposal system. Do not contaminate streams, rivers, or waterways.

14. Transport Information

Not classified as a dangerous good according to the Australian Code for the Transport of Dangerous Goods by road or rail.

UN number N/A

Proper shipping name "Bacterial enzyme"

Dangerous goods class N/A

Hazchem code N/A

Packing group N/A

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15. Regulatory Information

Not applicable

16. Other Information

Last revision of SDS 26th October 2020

Emergency Contacts

Police and Fire Brigade (Australia)

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Poisons Information Centre (Australia)

131 126

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