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1. Identification of The Material and Supplier

Product Name EasyRhiz[™] Legume Inoculant

Other Names Soluble concentrated legume inoculant powder.

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) Rhizobium / Bradyrhizobium / Sinorhizobium spp. nitrogen fixing bacteria. All microbial

species guaranteed to be GM free.

CAS Number N/A

Proportion (by weight) Rhizobium / Bradyrhizobium / Sinorhizobium spp. 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



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6. Accidental Release Measures

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.



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Composition $\geq 5 \times 10^{11}$ /vial of viable Rhizobium / Bradyrhizobium / Sinorhizobium spp. bacteria in a

glass vial. Product under vacuum.

Odour Mild earthy odour

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 ($H_2O=1$) 0.85

Particle size > 10 μ m

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.



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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.

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 November 10, 2021

Emergency Contacts

Police and Fire Brigade (Australia) 000
Poisons Information Centre (Australia) 131 126

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