

SB Rhizobac – Material Safety Data Sheet

SECTION 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product identifier

Trade name: SB Rhizobac

Registration no: Not registered

Version No: 1.0

1.2 Relevant identified uses of the substance or mixture and uses advised against Product Use: Fertiliser and growth stimulant

1.3 Details of the supplier of the safety data sheet company:

Soil Biology Ltd
Unit 30 Branbridges Industrial Estate
East Peckham, TN12 5HF United Kingdom
Tel. No. 01892 883759
info@soilbiology.uk

1.4 Emergency telephone number: HSE incident contact centre: 0845 3009923
01892 883759 (08:30-17:30)

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification according to 1272/2008 CLP Not classified

Classification under CHIP: Not applicable

Most important adverse effects: Not applicable

2.2 Label elements: The product is not classified as dangerous; therefore, no specific label elements are required.

Label elements 272/2008

CLP: Hazard pictograms: Not applicable

Signal word: None

Hazard statements: H334: may cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary statements:

Prevention: P261: Avoid breathing dust

P285: In case of inadequate ventilation, wear respiratory protection

Response: P304+P341: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P342+P311: If experiencing respiratory symptoms call a doctor/physician.

Storage:

Disposal: P501: Dispose of contents/container in accordance with local regulations

Other hazards: The mixture does not fulfil the criteria for PBT or vPvB substance. The preparation contains microorganisms belonging to hazard group 1 as defined by the Advisory Committee on Dangerous Pathogens (ACDP) as unlikely to cause human disease. However, it should not be assumed that infection can never occur. People who are immunocompromised should not work with this product.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1/2 Substance/Mixture

Chemical name	CAS No	EINECS	Content %	Classification CLP
<i>Bacillus spp.</i> + <i>Paenibacillus sp.</i>	N/A	N/A	up to 7.0% By weight	N/A
Dextrose Powder.	N/A	N/A	up to 95.0% By weight	N/A

3.3 Additional information:

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

General information:

Inhalation: Move affected person to fresh air; keep person quiet and warm; in case of respiratory failure, administer artificial respiration and seek medical attention.

Skin contact: Wash affected areas with plenty of water.

Eye contact: Remove contact lenses, if present and easy to do. Rinse eyes with water for at least 15 minutes while holding eyelids apart.

Ingestion: Rinse mouth with water, drink plenty of water. Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Eyes: No data available

Skin: No data available.

Inhalation: Sensitive individuals may experience breathing difficulties

Ingestion: No data available

Delayed / immediate effects: No data available

Indication of any immediate medical attention and special treatment needed: Follow advice in 4.1

SECTION 5. FIRE FIGHTING MEASURES

5.1 Extinguishing media: Any extinguishing media may be used but should be appropriate to the cause of the fire and surrounding area.

Unsuitable extinguisher media: Not applicable.

5.2 Special hazards arising from the substance or mixture: Low degree of risk due to thermal decomposition. May release oxides of carbon if burnt (CO; CO₂).

5.3 Advice for firefighters: Fire-fighters should be equipped with breathing apparatus appropriate to environmental conditions and wear protective clothing.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures: Avoid contact with eyes and skin and dust formation, do not breathe dust. Wear suitable protective clothing (overalls), gloves, mask & goggles.

6.2 Environmental precautions: Dextrose can raise water oxygen demand in large quantities.

6.3 Methods and material for containment and cleaning up: Avoid creating dust; preferably vacuum clean and collect in suitable labelled containers for waste. Rinse contaminated area with water afterwards with plenty of water.

6.4 Reference to other sections: Personal protective means are given in section 8. Disposal advice is given in section 13.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling: Read label before use. Avoid creating dust. Wash hands after working with product. Do not smoke, eat or drink when handling product. Employees should wear protective work clothing, shoes and gloves. Wear additional mask and goggles if creating dust. Follow manufacturer's recommendations.

7.2 Conditions for safe storage, including any incompatibilities: Keep in original container. Store in a cool, dry, well-ventilated place. Prolonged storage should be in chilled or frozen storage. Protect from light, raised temperatures and humidity.

7.3 Specific end use(s): Refer to product information sheet for full use and application details.

SECTION 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1 Control parameters: Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate technical measures: Work in a well-ventilated area. Avoid eating, drinking and smoking. Wash hands after use.

General information: Smoking, consumption of food or liquid and storage of tobacco, food or liquid, are not allowed in the workroom.



Personal protective equipment:

Hand protection: Rubber gloves

Eye protection: Safety glasses.

Skin protection: Protective clothing (overalls) shoes and goggles.

Respiratory protection: Dust mask

Thermal hazards: Carbon monoxide at low oxygen levels.

Environmental measures: Not applicable

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Colour:	Odour:	pH	Viscosity:
Powder	White	None	6.8 - 7.2	not applicable
Flash Point:	Boiling Point:	Vapour Pressure:	Density g/cm³:	Melting Point:
not applicable	not applicable	not applicable	0.75- 0.85 gm/cm3	not applicable
Ignition Temperature:	Oxidising:	Explosive limits vol%:	Solubility in water 20C:	
not applicable	not applicable	not applicable	100 gm/litre	

9.2 Other information: None.

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity: The product is not reactive under normal conditions.

Beware of following conditions: Extremes of Temperature.

Beware of following materials: Biocides.

10.2 Chemical stability: The product is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3 Possibility of hazardous reactions: No hazard reactions are expected under normal processing.

10.4 Conditions to avoid: Do not expose the mixture to humidity and extremes of temperatures.

10.5 Incompatible materials: Any material with biocidal properties

10.6 Hazardous decomposition products: May release oxides of carbon during fire (CO; CO2)

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity:	Non - toxic
Irritation:	Not an irritant
Corrosivity:	Non-corrosive
Sensitisation:	May cause sensitisation in certain susceptible individuals. Classed as a respiratory sensitiser.
Serious eye damage/irritation:	No data available

Respiratory or skin sensitisation: No data available

Ingestion: No data available

Germ cell mutagenicity: No data available.

Carcinogenicity: Non-carcinogenic

Reproductive toxicity: Non - toxic

Mutagenicity: Non-mutagenic

Specific target organ toxicity - single exposure: No data available

Specific target organ toxicity: Non - toxic

Aspiration hazard: No data available

Additional information: - No data available

Information on likely routes of exposure:

Inhalation: May cause sensitisation in some individuals.

Skin: Not absorbed through skin.

Eyes: Dust may cause irritation (mechanical).

Ingestion: Unlikely to be harmful if swallowed.

Symptoms related to related to the physical, chemical and toxicological characteristics: If inhaled, may cause sensitisation (shortness of breath).

Delayed and immediate effects and chronic effects from short and long term exposure: If inhaled, may cause sensitisation (shortness of breath)

Interactive Effects: Not available.

Absence of data: If information is not listed in section 11 it is due to non-availability of data or not appropriate.

Other Information: Not applicable.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity: - Not determined.

12.2 Persistence and degradability: Dextrose is fully biodegradable. The bacteria are naturally present in the environment.

12.3 Bio accumulative potential: Not expected to accumulate.

12.4 Mobility in soil: Not determined.

12.5 Result of PBT and vPvB assessment: Dextrose and bacteria are not classified as PBT or vPvB substances.

12.6 Other adverse effects: Not determined.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Disposal operations for product: Use licensed waste disposal company.

Contaminated packaging: Dispose of as unused product.

SECTION 14. TRANSPORT INFORMATION

This product is not classified as dangerous for transport.

	ADR/RID	IMDG/IMO
14.1 UN number	Not applicable	
14.2 UN proper shipping name	Not classified as hazardous for transport within transport regulations.	
14.3 Transport hazard class(es)	Not applicable	
14.4 Packing group	Not applicable	
14.5 Environmental hazards – MP	No	
Other information	Not applicable	

14.6 Special precautions for user: - No special precautions.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBCCode: Not applicable

SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Specific regulations: None

15.2 Chemical safety assessment: No data available

SECTION 16. OTHER INFORMATION

Additional information:

This SDS summarises our best knowledge of the health and safety hazards information about the production and how to handle the product and has been prepared in accordance with Regulations (EC) of the European Parliament Council No 1272/2008 and Commission Regulation (EU) No 453/2010.

The information contained in this SDS, as of the issue date, is believed to be true and correct. However, accuracy or completeness of this information, and any recommendations and suggestions, are made without warranty and guarantee. Since the conditions of use are beyond the control of Soil Biology Ltd, it is the responsibility of the distributor and user to determine the conditions of safe use of this product.

Date: 1st March 2022