



## Safety Data Sheet

Compiled in accordance with regulations of Occupational Health and Safety Administration, United States Department of Labor, Standard Number 1910.1200 App D. Note: Sections 1 through 11, and Section 16 are mandatory. Sections 12 through 15 are optional.

### 1. Identification

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|---|--|
| (a) Product identifier used on the label;   | <u>Legacy FOUNDATION Soil &amp; Plant ProBiotic™</u>                                     |
| (b) Other means of identification;  | <u>Legacy FOUNDATION</u>   |
| (c) Recommended use of chemical, restrictions on use;   | <u>Apply to soil and plants. Comply with label.</u>                                      |
| (d) Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party; | <u>Legacy BioSolutions LLC</u>   |
| (e) Emergency phone number  | <u>1425 Market Square Blvd, Waynesboro,<br/>Pennsylvania, USA 17268 Ph: 800-269-3201</u> |

### 2. Hazard(s) identification

- |  |   |
|--|---|
| (a) Classification of the chemical in accordance with paragraph (d) of §1910.1200;   | <u>Non-hazardous as per U. S. Dept of Transportation</u>                                |
| (b) Signal word, hazard statement(s), symbol(s) and precautionary statement(s) in accordance with paragraph (f) of §1910.1200.   | <u>N/A No ingredients meet the definition of<br/>Hazardous Chemical 29 CFR1910.1200</u> |
| (c) Describe any hazards not otherwise classified that have been identified during the classification process;   | <u>N/A</u>  |
| (d) Where an ingredient with unknown acute toxicity is used in a mixture at a concentration $\geq 1\%$ and the mixture is not classified based on testing of the mixture as a whole, a statement that X% of the mixture consists of ingredient(s) of unknown acute toxicity is required. | <u>N/A</u>  |

### 3. Composition/information on ingredients;

Except as provided for in paragraph (i) of §1910.1200 on trade secrets:

*For Substances*

- |                               |  |
|-------------------------------|--|
| (a) Chemical name;            | <u>N/A</u>   |
| (b) Common name and synonyms; | <u>A proprietary blend (consortium) of selected strains of naturally occurring Bacillus, at <math>1 \times 10^6</math> CFU of each strain listed, including Bacillus subtilis, B. megateriam, B. licheniformis, B. polymyxa, B. pumilis, and B. azotofixans, which have the ability to fix atmospheric</u> |

nitrogen, solubilize phosphorus and potassium. Contains essential amino acids including lysine, glycine, methionine. Contains vitamins including thiamine, riboflavin, biotin; folic acid, dextrose, sucrose.

- (c) CAS number and other unique identifiers;
- (d) Impurities and stabilizing additives which are themselves classified and which contribute to the classification of the substance.

N/A

N/A

### For Mixtures

In addition to the information required for substances:

- (a) The chemical name and concentration (exact percentage) or concentration ranges of all ingredients which are classified as health hazards in accordance with paragraph (d) of §1910.1200 and
- (1) Are present above their cut-off/concentration limits;
  - (2) Or, present a health risk below the cut-off / concentration limits.

N/A

- (b) The concentration (exact percentage) shall be specified unless a trade secret claim is made in accordance with paragraph (i) of §1910.1200, when there is batch-to-batch variability in the production of a mixture, or for a group of substantially similar mixtures (See A.0.5.1.2) with similar chemical composition. In these cases, concentration ranges may be used.

N/A

### For All Chemicals Where a Trade Secret is Claimed

Where a trade secret is claimed in accordance with paragraph (i) of §1910.1200, a statement that the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret is required.

N/A

### 4. First-aid measures

- (a) Description of necessary measures, subdivided according to the different routes of exposure, i.e., inhalation, skin and eye contact, and ingestion;

EYES: Flush eyes with cool water and consult physician if irritation continues.

SKIN: Wash hands after use. If irritation occurs or persists, consult physician.

INGESTION: Give demulcent (milk). Consult physician.

INHALATION: Consult physician if problem occurs.

OTHER: Potential allergic reaction

Contains natural plant proteins. Avoid contact if allergic to peanuts, latex.

- (b) Most important symptoms/effects, acute and delayed.
- (c) Indication of immediate medical attention and special treatment needed, if necessary.

No known hazards

Natural plant protein allergic reaction may be possible.

## 5. Fire-fighting measures

- (a) Suitable (and unsuitable) extinguishing media.
- (b) Specific hazards arising from the chemical (e.g., nature of any hazardous combustion products).
- (c) Special protective equipment and precautions for fire fighters.

Use appropriate media for underlying cause.

Product is not flammable. No special hazards.

Wear self-contained breathing apparatus as needed.

## 6. Accidental release measures

- (a) Personal precautions, protective equipment, and emergency procedures.
- (b) Methods, materials for containment and cleaning up.

Avoid breathing excessive dust.

Sweep up and discard in accordance with federal, state and local bacteria protocol.

## 7. Handling and storage

- (a) Precautions for safe handling.
- (b) Conditions for safe storage, including incompatibilities.

Avoid spilling. Store in original container tightly closed. Avoid excessive heat and direct sunlight. Store in a cool, dry place. Follow label directions.

## 8. Exposure controls/personal protection

- (a) OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available.
- (b) Appropriate engineering controls.
- (c) Individual protection measures, such as personal protective equipment.

N/A

N/A

N/A, except for exposure for excessive dust.

Wear appropriate respiratory protection.

## 9. Physical and chemical properties

- (a) Appearance (physical state, color, etc.)
- (b) Odor
- (c) Odor threshold
- (d) pH
- (e) Melting point/freezing point
- (f) Initial boiling point and boiling range
- (g) Flash point
- (h) Evaporation rate

Off-white colored powder

Characteristic fermentation odor

N/A

7.0

N/A

N/A

Not flammable

N/A

(i) Flammability (solid, gas)	<u>Not flammable</u>
(j) Upper/lower flammability or explosive limits	<u>N/A</u>
(k) Vapor pressure	<u>N/A</u>
(l) Vapor density	<u>N/A</u>
(m) Relative density	<u>Specific Gravity 1.12</u>
(n) Solubility(ies)	<u>Partially soluble; forms a suspension</u>
(o) Partition coefficient: n-octanol/water	<u>N/A</u>
(p) Auto-ignition temperature	<u>N/A</u>
(q) Decomposition temperature	<u>N/A</u>
(r) Viscosity	<u>N/A</u>

## 10. Stability and reactivity

(a) Reactivity	<u>N/A</u>
(b) Chemical stability	<u>High</u>
(c) Possibility of hazardous reactions	<u>None</u>
(d) Conditions to avoid (e.g., static discharge, shock, vibration)	<u>Avoid freezing, high heat, exposure to direct sunlight</u>
(e) Incompatible materials	<u>Strong acid and alkali, organic solvents, oxidizing agents</u>
(f) Hazardous decomposition products	<u>N/A</u>

## 11. Toxicological information

Description of the various toxicological (health) effects and available data used to identify those effects, including:

(a) Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact)	<u>None of the ingredients in this material meet the definition of Hazardous Chemical, 29 CFR1910.1200.</u>
(b) Symptoms related to the physical, chemical and toxicological characteristics;	<u>N/A</u>
(c) Delayed and immediate effects and also chronic effects from short- and long-term exposure;	<u>Contains natural plant proteins; should be avoided by those with a history of protein based allergies, {such as</u>
(d) Numerical measures of toxicity (such as acute toxicity estimates).	<u>N/A</u> <u>peanut or latex or other related.}</u>
(e) Whether the hazardous chemical is listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition), or by OSHA, (United States Occupational Health and Safety Administration.)	<u>No components of this product are listed as carcinogenic by NTP, IARC or OSHA.</u>

**12. Ecological information (Non-mandatory)**

(a) Ecotoxicity (aquatic and terrestrial, where available)	<u>None</u>
(b) Persistence and degradability	<u>Biodegradable</u>
(c) Bioaccumulative potential	<u>None</u>
(d) Mobility in soil	<u>Mobile only when directly adjacent to living plant roots</u>
(e) Other adverse effects (such as hazardous to the ozone layer)	<u>None</u>

**13. Disposal considerations (Non-mandatory)**

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging	<u>Biodegradable</u>
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**14. Transport information (Non-mandatory)**

(a) UN number	<u>N/A</u>
(b) UN proper shipping name	<u>N/A</u>
(c) Transport hazard class(es)	<u>Non hazardous as per USA Dept of Transportation</u>
(d) Packing group, if applicable	<u>N/A</u>
(e) Environmental hazards (e.g., Marine pollutant (Yes/No));	<u>No</u>
(f) Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)	<u>N/A</u>
(g) Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises	<u>Do not freeze, avoid excessive heat, avoid exposure to sunlight.</u>

**15. Regulatory information (Non-mandatory)**

Safety, health and environmental regulations specific for the product in question	<u>N/A</u>
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**16. Other information, including date of preparation or last revision**

The date of preparation of the SDS or the last change to it	<u>February 17, 2018</u>
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