Safety Data Sheet

**PRODUCT NAME:**

**Compressed**
- Sunshine #1
- Sunshine #1 SC
- Sunshine #1 SunCoir
- Sunshine Mix #2
- Sunshine Mix #3
- Sunshine LT #3 Mix
- Sunshine Mix #4
- Sunshine Mix #4 SC
- Sunshine SC #4
- Sunshine #4V
- Sunshine Mix #5
- Sunshine #LTS Mix
- Sunshine Mix #6
- Sunshine Mix #7
- Sunshine Mix #8
- Sunshine Mix #10
- Sunshine Mix #15
- Sunshine Growers Germination
- Sunshine Euro Blend
- Sunshine Euro Blend Plug
- Sunshine Euro Prop Mix

**Loosefill**
- Sunshine LC1
- Sunshine LB2 Mix
- Sunshine LG3 Mix
- Sunshine LA4 Mix
- Sunshine LA4 SC
- Sunshine SC4
- Sunshine LA4V
- Sunshine LP5 Plug Mix
- Sunshine LT5 Mix
- Sunshine LPM6 Mix
- Sunshine LGF7
- Sunshine LCB Mix
- Sunshine LC10 Mix
- Sunshine LC15 Mix
- Sunshine Growers Germination RSi
- Sunshine Euro Blend RSi
- Sunshine Euro Blend Plug RSi
- Sunshine Euro Prop Mix RSi

**Compressed RSi**
- Sunshine #1 RSi
- Sunshine #1 SC RSi
- Sunshine #1 SunCoir RSi
- Sunshine Mix #2 RSi
- Sunshine Mix #3 RSi
- Sunshine LT #3 Mix RSi
- Sunshine Mix #4 RSi
- Sunshine Mix #4 SC RSi
- Sunshine SC #4 RSi
- Sunshine #4V RSi
- Sunshine Mix #5 RSi
- Sunshine #LTS Mix RSi
- Sunshine Mix #6 RSi
- Sunshine Mix #7 RSi
- Sunshine Mix #8 RSi
- Sunshine Mix #10 RSi
- Sunshine Mix #15 RSi
- Sunshine Growers Germination RSi
- Sunshine Euro Blend RSi
- Sunshine Euro Blend Plug RSi
- Sunshine Euro Prop Mix RSi

**Loosefill RSi**
- Sunshine LC1 RSi
- Sunshine SC1 Mix RSi
- Sunshine #1 SunCoir RSi
- Sunshine LB2 Mix RSi
- Sunshine LG3 Mix RSi
- Sunshine LT3 Mix RSi
- Sunshine LA4 Mix RSi
- Sunshine LA4 Mix PC RSi
- Sunshine SC4 RSi
- Sunshine LA4V RSi
- Sunshine LP5 Plug Mix RSi
- Sunshine LT 5 Mix RSi
- Sunshine LPM6 Mix RSi
- Sunshine LGP7 Mix RSi
- Sunshine LCB Mix RSi
- Sunshine LC10 Mix RSi
- Sunshine LC15 Mix RSi

**Natural & Organic Mixes**
- Sunshine #1 N&O Mix
- Sunshine #1 N&O Mix RSi
- Sunshine SB1 N&O Mix
- Sunshine #2 N&O Mix
- Sunshine #3 N&O Mix
- Sunshine #3 N&O Mix RSi
- Sunshine Mix #4 N&O Mix
- Sunshine #4 N&O Mix RSi
- Sunshine #5 N&O Mix
- Sunshine #5 N&O Mix RSi
- Sunshine #8 N&O Mix
- Sunshine #8 N&O Mix RSi
- Sunshine #8 N&O Mix w/myc
- Sunshine #8 N&O Mix w/myc RSi
- Sunshine Growers N&O Mix
- Sunshine Growers N&O Mix RSi
- Sunshine Growers N&O Mix w/myc
- Sunshine Growers N&O Mix RSi
- Sunshine Euro Blend N&O
- Sunshine Euro Blend N&O RSi
- Sunshine Euro Blend Plug N&O
- Sunshine Euro Blend Plug N&O RSi
- Sunshine N&O Custom Blends

**Sunshine Peat Moss**
- Sunshine Grower Blue Peat Moss
- Sunshine Grower White Peat Moss
- Sunshine Grower Orange Peat Moss
- Sunshine Grower Green Peat Moss

Sunshine Professional Peat Moss and Peat based mixes  
Page 1 of 6
1. **Product and Company Identification**

   **Recommended Uses:** End-use horticulture
   **Restrictions on Uses:** None

   **Manufacturer/Supplier**
   Sun Gro Horticulture Distribution Inc.
   770 Silver Street
   Agawam, MA 01001
   1-800-732-8667

   **Distributed in the USA by**
   Sun Gro Horticulture Distribution Inc.
   770 Silver Street
   Agawam, MA 01001
   1-800-732-8667

   **Distributed in Canada by**
   Sun Gro Horticulture Canada Ltd.
   52130 RR 65, PO Box 189
   Seba Beach, AB T0E 2B0 Canada
   1-800-732-8667

   *For more information: [www.sungro.com](http://www.sungro.com)*

   *For more customer information call:*
   Western Region: 1-888-797-6497
   Central Region: 1-888-982-4500
   Eastern Region: 1-888-896-1222
   Southeast Region: 1-800-683-7700
   Agawam: 1-800-732-8667

2. **Hazards Identification**

   **Classification of the mixture**
   Canadian Sphagnum Peat Moss, Sphagnum Peat Moss, or Peat based products are not specifically listed in the OSHA List of Hazardous and Toxic Substances (Hazard Communication Standard 29 CFR 1910.1200) but products are classified as “Particulates Not Otherwise Regulated” (PNOR) and classified by ACGIH as a “Nuisance Dust” or “Particulates Not Otherwise Classified” (PNON).

   **Label elements**
   - **Hazard pictograms:** None
   - **Signal word:** None
   - **Hazard Statements:** None
   - **Precautionary Statements:** None
   - **Other hazards:** None

3. **Composition/Information on Ingredients**

   **Ingredients**
<table>
<thead>
<tr>
<th>Peat</th>
<th>CAS No.</th>
<th>EC No</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>NA</td>
<td>NA</td>
<td>20-100%</td>
</tr>
</tbody>
</table>

4. **First Aid Measures**

   **Description of first aid measures**

   **General information**
   In case of persisting adverse effects consult a physician. Never give anything by mouth to an unconscious person, person having convulsions, or a person with cramps.

   **In case of inhalation**
   Remove to fresh air. Prolonged exposure to dust may cause irritation to respiratory tract.

   **In case of skin contact**
   Non-irritant. If skin irritation occurs, get medical attention or advice.

   **In case of eye contact**
   Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists call a poison control center or a doctor.

   **In case of ingestion**
   If able, rinse mouth and drink plenty of water. Do not induce vomiting. Call a Poison Control Center or doctor if feeling unwell.

   **More important symptoms and effects, both acute and delayed**
   The following symptoms may occur:
   - **In case of inhalation:** Irritation to respiratory tract
   - **In case of skin contact:** Non-irritant
   - **In case of eye contact:** May cause redness or irritation
   - **In case of ingestion:** Ingestion of large amounts may cause gastrointestinal disturbances

   **Indication of any immediate medical attention and special treatment needed:** Treat symptomatically.
5. Fire Fighting Measures

Extinguishing media:
- Suitable extinguishing media: Use any suitable mean for extinguishing surrounding fire. Spray water for small fires. For large fires flood area with water.
- Unsuitable material: None.

Specific hazards arising from the chemical
- Non-combustible material
- Thermal decomposition products: None

Protective equipment and precautions for firefighters
- Keep upwind of fire. Wear full firefighting turn out gear (full Bunker gear) and respiratory protection (self-contained breathing apparatus (SCBA)).

6. Accidental Release Measures

Personal precautions
- Provide adequate ventilation Wear personal protection equipment (Section 8).

Environmental precautions
- Do not allow to enter into surface water or drains. Ensure waste is collected and contained.

Methods and material for containment and clean up
- Take up mechanically, placing in appropriate containers for disposal or recovery. Avoid generating dust.
- Unsuitable material for containment or taking up: None specified

Other information
- None

7. Handling and Storage

Precautions for Safe Handling
- Avoid generation of dust. Provide adequate ventilation. Wear personal protective equipment.

Conditions for safe storage, including any incompatibilities
- Keep container tightly closed to avoid dust generation

8. Exposure Controls/Personal Protection

Exposure Guidelines: Occupational exposure limits
- Nuisance dust

<table>
<thead>
<tr>
<th></th>
<th>OSHA – PEL</th>
<th>ACGIH TLV</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>15 mg/m³ (total)</td>
<td>10 mg/m³ (total)</td>
</tr>
<tr>
<td></td>
<td>5 mg/m³ (respirable)</td>
<td>3 mg/m³ (respirable)</td>
</tr>
</tbody>
</table>

Derived No-Effect Level* (DNEL) suggested by manufacturer: Workers (Industrial/professional):
- Peat and Peat Moss based products
  - DNEL Human, dermal, long term (repeated) not available

* (Derived No-Effect Level (DNEL) is the level of exposure to the substance above which humans should not be exposed)

Engineering controls
- Use exhaust ventilation to keep airborne concentrations below exposure limits.

Personal Protective Equipment
- Eye/face protection: Safety glasses
- Skin protection: No specific requirement
- Respiratory Protection: Wear respiratory protection, where airborne concentrations are expected to exceed exposure limits.

General Hygiene Considerations
- Avoid contact with eyes.

9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Fibrous</td>
</tr>
<tr>
<td>Color</td>
<td>light brown to dark brown</td>
</tr>
<tr>
<td>Odor</td>
<td>faint earthy odor</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not applicable</td>
</tr>
<tr>
<td>pH value</td>
<td>3.5-7.5</td>
</tr>
<tr>
<td>Melting point/freezing range</td>
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<tr>
<td>Boiling temperature/boiling range</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vaporization rate/Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammable Solids</td>
<td>flammable</td>
</tr>
<tr>
<td>Explosion limits (LEL, UEL)</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>
Vapor Pressure: Not applicable
Vapor Density: Not applicable
Relative Density: 100-400 g/l or 6-25 lb/cf
Solubility: Not applicable
Partition coefficient n-octanol/water: Not applicable
Auto Ignition temperature: Not applicable
Decomposition temperature: No data available
Viscosity: Not applicable

Other information
Explosive properties: Not explosive
Oxidizing properties: None

10. Stability and Reactivity

Reactivity
Material is stable under normal ambient conditions.

Chemical stability
Stable under normal storage and temperature conditions.

Possibility of hazardous reactions
None

Conditions to avoid
Dust generation, open flames

Incompatible materials
None

Hazardous decomposition products
None known

11. Toxicological Information

Likely routes of exposure (inhalation, ingestion, skin and eye contact)
Eye contact, skin contact and inhalation. Exposure by ingestion is not expected to occur through normal agricultural/horticultural use.

Symptoms related to the physical, chemical and toxicological characteristics
May be irritant to the respiratory tract. May cause redness or irritation to the eyes. Ingestion of large amounts may cause gastrointestinal disturbances.

Toxicological effects from short and long term exposure

Acute toxicity:
Acute oral toxicity
No LD50 data available
Assessment/classification: Based on available data for the ingredients of the mixture, the classification criteria are not met.

Irritant and corrosive effects:
No data available
Assessment/classification: Based on available data, the classification criteria are not met

Respiratory or skin sensitization
No data available
Assessment/classification: Based on available data, the classification criteria are not met

Genetic effects: This product does not contain ingredients classified as germ cell mutagens.

Bacterial (Ames Test) Chromosomal aberrations Mutation in mammalian cells
Negative Negative Negative
Assessment/classification: Based on available data, the classification criteria are not met.

Reproductive toxicity: Adverse effects on sexual function and fertility/developmental toxicity: OECD guideline 422
No data available
Assessment/classification: Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure)
The product does not contain relevant ingredients classified as Target Organ Toxicant.

Practical experience/human evidence
No relevant effect have been observed after single exposure.
Assessment/classification: Based on available data, the classification criteria are not met.
Specific target organ toxicity (repeated exposure)

<table>
<thead>
<tr>
<th>Organs affected</th>
<th>Effects</th>
<th>Guideline</th>
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</thead>
<tbody>
<tr>
<td>None</td>
<td>None</td>
<td>OECD 422</td>
</tr>
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</table>

Assessment/classification: Based on available data, the classification criteria are not met.

Aspiration hazard

Physicochemical data and toxicological information does not indicate an aspiration hazard.

Assessment/classification: Based on available data, the classification criteria are not met.

Carcinogenicity

International Agency for Research on Cancer (IARC)  Not Listed
National Toxicology Program (NTP)  Not Listed
29 CFR part 1910, subpart Z  Not Listed
California Proposition 65  Not Listed
WHO (2003) Nitrate in drinking water  Not applicable

Assessment/classification: Based on available data, the classification criteria are not met.

Other Toxicological Information

None

12. Ecological Information

Ecotoxicity

Aquatic Toxicity
No data available

Assessment/classification: Based on available data, the classification criteria are not met

Persistence and degradability
No data available

Bioaccumulative potential
No data available

Other adverse effects
None known

13. Disposal Considerations

Disposal should be in accordance with applicable federal and state laws.

It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal method in compliance with applicable regulations.

Not considered hazardous waste according to the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

14. Transportation Information

US DOT (49CFR part 172)

<p>| | |</p>
<table>
<thead>
<tr>
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<tbody>
<tr>
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<tr>
<td>UN Proper Shipping Name</td>
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<tr>
<td>Hazard class</td>
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<tr>
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</tr>
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<td>Hazard label(s)</td>
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</tr>
<tr>
<td>Special marking</td>
<td>No</td>
</tr>
<tr>
<td>Special Provision</td>
<td>No</td>
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</tbody>
</table>

International Maritime Organization (IMDG Code)

<p>| | |</p>
<table>
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<tr>
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<td>Packing group</td>
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<td>Special marking</td>
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</tr>
<tr>
<td>Special Provision</td>
<td>No</td>
</tr>
</tbody>
</table>
Air transport (ICAO-TI/IATA-DGR)
- UN No. Not regulated
- UN Proper Shipping Name Not applicable
- Hazard class Not applicable
- Packing group Not applicable
- Hazard label(s) Not applicable
- Special marking No

Special handling procedure
None

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable

Other special precautions
None

15. Regulatory Information

US Federal
SARA Title III Rules
Section 311/312 Hazard Classes
- Acute Health Hazard No
- Chronic Health Hazard No
- Fire Hazard No
- Release of Pressure No
- Reactive Hazard No

Section 313 Toxic Chemicals
Ingredients not listed

Section 302 Extremely Hazardous Substances (EHS)/CERCLA Hazardous Substances
Ingredients not listed

NFPA 704: National Fire Protection Association
- Health 0
- Fire 0
- Reactivity 0
- Special None

US State Regulations
California Proposition 65 Not listed

Chemical Inventories
- United States TSCA All ingredients are listed
- Canada DSL All ingredients are listed
- European Union (EINECS) All ingredients are listed
- Japan (METI) All ingredients are listed

16. Other Information
This SDS complies with 29 CFR part 1910 subpart Z (2012) and ANSI Standard Z400.1-2004

The information contained in this SDS is provided without warranty of any kind, express or implied. The information contained herein is made available solely for consideration, investigation, and verification by the original recipients hereof. Users should consider this information only as a supplement to other information gathered by or available to them. Users should make independent determinations of the suitability and completeness of information from all sources to assure proper use and disposal of these materials for the safety and health of employees, customers, and the environment. This hazard information is not a substitute for risk assessment under actual conditions of use. Users have the responsibility to keep currently informed on chemical hazard information, to design and update their own programs, and to comply with all applicable national, federal, state, provincial, and local laws and regulations regarding safety, occupational health, right to know, and environmental protection.

Revision 8/13/15-additional products listed