

Section 1: Identification	
Product Name: TerraGrow®	Product Type/Description: soil amendment containing bacterial inoculants
Recommended Use/ Use Restrictions: Soil Amendment/ Agricultural and Horticultural Uses.	Other Means of Identification: non-pathogenic microbial inoculants
Manufacturer: BioSafe Systems LLC 22 Meadow Street, East Hartford, CT 06108 Telephone Number: (888-273-3088)	Emergency Number: 800-424-9300 (CHEMTREC)

Section 2: Hazard Identification		
GHS Classification (As Concentrate) Not Classified as hazardous	Hazard Statements: (As Concentrate) Not Classified as hazardous	Pictogram: None Signal Word: NA (See Section 15)
Precautionary Statements:		
General: P101: If medical advice is needed, have product container or label at hand P102: Keep out of reach of children P103: Read label before use. Prevention: P260: Do not breath dust/vapors/spray P264: Wash thoroughly after handling P280: Wear eye protection, gloves	Response: P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P303+P361+P353: IF ON SKIN (or hair). Rinse skin with water/shower P321: For specific treatments see FIRST AID section on SDS or label Storage: P410: Protect from sunlight Disposal P501: Dispose of contents/container in accordance with local/regional/national/international regulations	

Section 3: Composition/Information on Ingredients		
Components:	CAS-No:	% Concentration by Weight:
Microorganisms on carrier (not pathogenic bacteria & Fungi) <i>Bacillus licheniformis</i> <i>Bacillus subtilis</i> <i>Bacillus pumilus</i> <i>Bacillus amyloliquefaciens</i> <i>Bacillus megaterium</i> <i>Trichoderma harzianum</i>		0.3%
Humic Acids (derived from leonardite)	0068514-28-3	35%
Organic Matter (derived from Soy)		28%
Protein Hydrolysate, Kelp(Ascophyllum nodosum)		
Molasses	68476-78-8	36.7%

Section 4: First-aid Measures	
Eye Contact:	May cause eye irritation. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present after the first 5 minutes, then continue rinsing eyes Get medical attention if symptoms persist.
Skin Contact:	Wash hands after use with warm water and soap. If irritation occurs flush skin with clean water. Get medical attention if irritation persists
Ingestion	Give 2-4 cups of water to dilute. Do not give fluids by mouth if person ins unconscious. Seek medical attention.
Inhalation:	Breathing dust may cause irritation of mucus membranes, sneezing and coughing. Move exposed person to fresh air. Consult a physician if irritation persist or for difficulty breathing

Section 5: Fire-fighting Measures	
Suitable Extinguishing Media:	Use media appropriate for surrounding conditions.
Unsuitable Extinguishing Media:	None Known
Combustion Products:	None Known
Unusual Fire and Explosion Hazards:	None Known, substance not considered a fire or explosion hazard
Protective Equipment for Firefighters:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6: Accidental Release Measures	
Emergency Procedures	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. Wash hands after using
Environmental Precautions	Do not allow spills to enter waterways
Methods and Material for Containment and Cleaning up	Sweep up spills or dilute with water

Section 7: Handling and Storage	
Handling:	Avoid excessive dust formation. For personal protection see section 8.No special handling advice required.
Storage:	Keep container tightly closed in a dry, cool location. Keep out of direct sunlight
Materials to avoid	Avoid strong acids and oxidizing agents.

Section 8: Exposure Controls/Personal Protection			
Components with workplace control parameters: Exposure Limits:			
Component	ACGIH	NIOSH	OSHA
NA	Not Established	Not Established	Not Established
Engineering Controls		Good general ventilation should be sufficient to control worker exposure to airborne contaminants.	
Personal Protection Equipment	Respiratory	Should not be needed under normal conditions Use with adequate ventilation. NIOSH approved respirator when in contact with dust, mists or vapors	
	Eye/Face Protection	Protective eye wear	
	Hands	Chemical-resistant, impervious gloves	
	Skin/Body	Long-sleeved shirt, socks and shoes.	
	General Hygienic Practices	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.	

Section 9: Physical and Chemical Properties		
Appearance: black/brown powder	Odor: sweet	pH: - 8.0 (1% soln.)
Melting Point: NA	Freezing Point 0 °C	Boiling Point: ca. 100 °C
Flash Point: NA	Flammability: Not applicable	Flammable Limits: NA
Vapor Pressure: No data available	Density: 0.63 g/cm ³ (39.33 lbs/ft ³)	Solubility(ies): soluble in water
Partition Coefficient n- octanol/water: No data available	Auto-ignition Temperature: No data available	Decomposition Temperature: No data available

Section 10: Stability and Reactivity	
Stability:	The product is stable under normal conditions
Conditions to Avoid	Exposure to direct sunlight and heat
Incompatible materials	Acids, oxidizers, biocides
Hazardous Decomposition Products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11: Toxicological Information		
Acute Toxicological Data: no components are considered toxic	Oral: no data available	Dermal: no data available
Inhalation: no data available	Primary Skin irritation: non irritating	Primary Eye irritation: slight irritant
Likely Routes of Exposure: Dermal, Ingestion Inhalation		
Symptoms and effects:		
Eye Contact	Eye irritation	
Skin Contact	May irritate skin	
Ingestion	May be harmful if swallowed	
Inhalation	May cause respiratory track irritation	

Section 12: Ecological Information	
Ecotoxicity	Non-toxic
Persistence and degradability	NA
Bioaccumulation potential	N/A
Mobility in Soil	N/A
Other adverse effects	N/A

Section 13: Disposal Considerations	
Waste From Residues and Unused Product	The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.
Contaminated Container Disposal	Rinse empty containers with clean water and treat the effluent the same as waste. Clean and empty containers are to be recycled or disposed of in accordance with local regulations.

Section 14: Transport Information						
	UN Number	UN Proper Shipping Name	Hazard Class (Subsidiary)	Label (Subsidiary)	Packing Group	Marine Pollutant
US DOT	Not regulated	Not regulated	NA	NA	NA	No
Canada (TDG)	Not regulated	Not regulated	NA	NA	NA	No

Section 15: Regulatory Information			
TSCA Inventory List: All components are listed or exempted.		US EPA CERCLA RQ: No products were found	
SARA Title III Section Extremely Hazardous Substance:		Section 304 EHS RQ: No products were found	Section 302 TPQ: No products were found
SARA Title III Sec. 311/312:		Hazard category: NA	
US EPA EPCRA Section 313 listed: No products were found		Threshold quantity (processed or manufactured): NA	Threshold quantity (otherwise used): NA
Canadian WHIMIS Classification	Not Regulated		
California Prop 65	This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.		

Section 16: Other Information

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For additional information on TerraGrow, call us toll-free at 1.888.273.3088 or visit www.biosafesystems.com.

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