

SAFETY DATA SHEET



AGSCITECH

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION


Product Identifier: \$T\$ Huma Rich		WHMIS Classification:		
Product Use: Natural soil amendment, Coconut shell biochar and humic acid from Leonardite,				
Manufacturer's Name: Sustainable Turf Science		Supplier's Name:		
Street Address: 1597 East Center		Street Address:		
City: Lewiston		State: UT	City:	State:
Postal Code: 84320	Emergency Ph: 1-435-757-7585	Postal Code:	Emergency Ph:	
Date MSDS Prepared: December 1, 2019		MSDS Prepared By: Salam Awada		Phone No.: 435-757-7585

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients (<i>specific</i>)	%	CAS Number	LD ₅₀ Ingredient (<i>Specify species and route</i>)	LC ₅₀ Ingredient (<i>Specify species and route</i>)
Coconut shell biochar		16291-96-6	N/A	
Leonardite		129521-66-0	N/A	

Additional information: The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

SECTION 3 – HAZARDS IDENTIFICATION

Physical hazards:	Not classified according to GHS classification criteria when packaged and stored in accordance with Section 7 of this data sheet.	
Health hazards:	Acute toxicity, oral	Category 1 (slight)
	Acute toxicity, dermal	Category 1 (slight)
	Acute toxicity, inhalation	Category 1 (slight)
Osha defined hazards:	Not classified.	
Label Elements		
Signal word	Warning	
Hazard Statements:	May form a combustible dust concentration in the air. Exposure to fine particulates of dust may cause mechanical irritation or eyes, skin, nose and throat. Avoid breathing dust.	
Skin Contact:	Exposure to fine particulates of dust may cause skin irritation.	

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Skin Absorption:	Not known to be absorbed through the skin.
Eye Contact:	Irritation could occur if dust gets in eyes.
Inhalation:	Very low vapor activity.
Ingestion:	If swallowed, do not induce vomiting, consult a physician immediately.
Precautionary Statement	Prevention: Avoid breathing vapors or dust. Wash thoroughly after handling. Do not eat, drink, or smoke when using this product. Use only outdoors or in a well ventilated area. Avoid release to the environment. Wear protective gloves and protective clothing. Storage: Store away from incompatible materials. Product should be stored above 40° F. Disposal: Dispose of contents and container in accordance with local/state/national regulations.

SECTION 4 – FIRST AID MEASURES

Inhalation:	Remove individual to fresh air and keep at rest in a position comfortable for breathing. Give oxygen or artificial respiration if needed. Seek medical attention if necessary.
Skin Contact:	Wash off with soap and water. Flush affected areas with large amount of cold water. Seek medical attention if you feel unwell.
Eye Contact:	Flush immediately with large amount of water for 15 minutes or until irritation subsides. Seek medical attention if irritation persists.
Ingestion:	May be harmful if ingested in large quantities. Wash out mouth with plenty of water Do not induce vomiting. Seek medical attention immediately.

SECTION 5 – FIRE FIGHTING MEASURES

Flammable:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, under which conditions:
Means of Extinction:	Use flooding quantities of water, dry chemical powder, carbon dioxide, foam. Do not use water jet	
Flashpoint (°C) and Method	Upper Flammable Limit (% by volume)	Lower Flammable Limit (% by volume)
N/A	N/A	N/A
Auto-ignition Temperature (°C)	Explosion Data - Sensitivity to Impact	Explosion Data - Sensitivity to Static Discharge
N/A	N/A	N/A
Hazardous Combustion Products:	Not known. During fire, hazardous gases may be formed.	
Protection for Firefighters: Wear protective clothing and equipment.		

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures: Avoid contact with skin, eyes, or clothing. Contain the spill. Eliminate all ignition sources. Collect dry product and dispose of in approved manner. Prevent entry into waterways. Dispose of in non-crop areas away from waterways, in accordance with Federal, State and Local regulations.

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SECTION 7 – HANDLING AND STORAGE

Handling Procedures and Equipment:	Avoid exposure to heat. Avoid inhalation of dust and particles. Avoid contact with eyes, skin, and clothing, avoid prolonged exposure. Do not taste or swallow. When handling or using, do not eat, drink, or smoke. Use outdoors in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Wash contaminated clothing before reuse. Observe good industrial hygiene practices.
Conditions for Safe Storage including any incompatibilities:	Store in a cool, dry, well-ventilated area away from direct sunlight. Avoid overheating. Keep containers tightly closed when not in use. Refer to SECTION 10 for incompatibilities.

SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits:	<input checked="" type="checkbox"/> ACGIH TLV Inhalable dust: 10mg/m ³ TWA Respirable dust- 3mg/m ³ TWA	<input type="checkbox"/> OSHA PEL Total dust: 15mg/m ³ TWA Respirable dust- 5 mg/m ³ TWA	<input type="checkbox"/> Other (specify)			
Specific Engineering Controls (such as ventilation, enclosed process):	Ventilate					
Personal Protective Equipment:	<input checked="" type="checkbox"/> Gloves	<input checked="" type="checkbox"/> Respirator	<input checked="" type="checkbox"/> Eye	<input checked="" type="checkbox"/> Footwear	<input checked="" type="checkbox"/> Clothing	<input type="checkbox"/> Other
If checked, please specify type:						
Respiratory:	Use dust mask while handling. Use with adequate ventilation.					
Eyes:	Wear safety glasses to avoid eye contact. Do not wear contact lenses.					
Skin:	Wear impermeable gloves to avoid skin contact.					

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Dry	Odor and Appearance:	No offensive odor. black granules.	Odor Threshold (ppm):	N/A
Specific Gravity:	48 lbs/cubic foot	Vapor Density (air = 1):	N/A	Vapor Pressure (mmHg):	N/A
Evaporation Rate:		Boiling Point (°C):	N/A	Freezing Point (°C):	N/A
pH:	N/A	Coefficient of Water/Oil Distribution:		(Solubility in Water):	Soluble

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If no, under which conditions:	
Incompatibility with Other Substances:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, which ones?	
Reactivity and under what conditions?	Stable under normal conditions of use, storage and transport. Conditions to avoid: Avoid exposure to heat, flames, sparks, and other ignition sources. Avoid dust generation. Improper storage of material or storing the material at elevate temperatures may increase the risk of self-heating. Avoid storing material in confined or non-ventilated areas as wet carbon can deplete oxygen from the air.		

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Hazardous Decomposition Products: No known hazardous decomposition products.

SECTION 11 – TOXICOLOGICAL INFORMATION

Effects of Acute Exposure:	Contact with material may cause mechanical irritation of the eyes, skin, and respiratory tract.		
Effects of Over Exposure:	Prolonged exposure to dust may lead to pulmonary disorders.		
Irritancy of Product:	Contact with material may cause mechanical irritation of the eyes, skin, and respiratory tract.		
Skin Sensitization:	Not available	Respiratory Sensitization:	Not available
Carcinogenicity – IARC:	Not expected to be carcinogen	Carcinogenicity – ACGIH:	Not expected to be carcinogen
Reproductive Toxicity:	Not expected to cause reproductive or developmental effects.	Teratogenicity:	Not available
Embryo toxicity:	Not expected to cause embryo toxicity.	Mutagenicity:	Not available
Toxicity data:	Rat- oral > 5 g/kg Rat-subcutaneous lethal dose > 5g/kg Rat- Intraperitoneal lethal dose > 5g/kg		

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity:	Not available
Persistence and degradability:	Not available
Bioaccumulative potential:	Not available
Mobility in soil:	Not available

SECTION 13 – DISPOSAL CONSIDERATIONS

Disposal instructions: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national regulations.
Hazardous waste code: Not hazardous waste. Dispose in accordance of all applicable regulations.
Waste from residue/unused containers: Not hazardous material Dispose of product in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its assigned container must be disposed of in a safer manner

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Contaminated packaging:

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14 – TRANSPORT INFORMATION

UN number: Not available	UN proper shipping name: Not available
Transport hazard class(es) Not hazardous product	Packaging group: Not available
DOT Not regulated as dangerous goods	TDG: Not regulated as dangerous goods

SECTION 15 – REGULATORY INFORMATION

(WHMIS Classifications) N/A	(OSHA) Not regulated
(SARA Title III) Not regulated	(TSCA) Not regulated
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.	

SECTION 16 – OTHER INFORMATION

Issue date: 12-01-2019 Version: 01

Disclaimer: The information provided in this Safety Data Sheet (SDS) is correct to the best of our knowledge, information and belief at the date of its publication. The information in this SDS has been assembled by the manufacturer based on its own studies and the work of others. The information given is designed only as a guidance for safe handling, use, storage, transportation, disposal and release. The manufacturer makes no warranties, expressed or implied, as to the accuracy, completeness or adequacy of the information contained herein. The manufacturer shall not be liable to the vendee, the vendee's employees, or anyone for any direct, special, or consequential damages arising out of or in connection with the accuracy, completeness, adequacy, or of furnishing of such information. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or products or in any process unless specified in the text.

Legend:

N/A = not applicable
N/D = not determined