

SAFETY DATA SHEET

Version 1.0

Revision Date: 11/22/2020

1. IDENTIFICATION**Product Identifiers**

Product Name: Harvest Hero Enhanced Perlite Mix
 Product Number: N/A
 Trade Name: Harvest Hero
 General Use: Soil Substrate in Potting Soil, Root Cuttings, and Seedlings
 Chemical Family: Expanded Perlite and Diatomaceous Earth (Amorphous Silica)

Relevant Identified Uses

Identified Uses: Harvest Hero Enhanced Perlite Mix is specially formulated to enhance traditional growing media and produce abundant growth, color, and fragrance in a potted specimen. Harvest Hero Enhanced Perlite Mix is a proprietary blend of inorganic minerals (Perlite and Diatomaceous Earth) and ultra-luxuriant nutrients which supply plants with complete nutrition and disease resistance for the first 30-40 days of beautiful, healthy growth.

Supplier Details

Company: Dicaperl Minerals LLC
 7525 Rockwood Pl
 Fallon NV 89406
 Phone: (800) 728-3303

Emergency Telephone Number

Emergency Phone#: (775) 423-3997; Office Hours, 8AM-5PM US Pacific Standard Time

2. HAZARDS IDENTIFICATION**Classification of the substance or mixture**

Component Classified – None

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS) – Not Classified

GHS Label elements, including precautionary statements

Pictogram Not applicable
 Signal word No signal word
 Hazard statement(s) Not applicable
 Precautionary statement(s) Not applicable

Hazards not otherwise classified (HNOC) or not covered by GHS – none

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: Mixture

Other Means of Identification: Solid, Granular Soil Enhancer

Ingredients

Chemical Name, Empirical Formula	CAS Number	EINECS Number	Percentage (%)
Expanded Perlite (Aluminum Silicate - $Al_6Si_2O_{13}$)	93763-70-3	310-127-6	74% - 77% WT
Natural Diatomaceous Earth (Amorphous SiO_2)	61790-53-2	231-545-4	17% - 20% WT
Water (H_2O)	7732-18-5	215-185-5	2% - 4% WT
Fertilizer, Nitrogen-Phosphorus-Potassium (Water Soluble)	66455-26-3	52136-45	2% - 4% WT
Crystalline Silica (SiO_2 Non-Respirable)	14808-60-7 14464-46-1	238-878-4 238-455-4	<1% WT

Hazardous Components

Per XRC(M) analysis, which combines the analytical capabilities of X-Ray Diffraction (X), Raman Spectroscopy (R) Computer Controlled Scanning Electron Microscopy/Energy Dispersive Spectroscopy (C) and Inductively Coupled Plasma/Atomic Emission Spectrophotometry (M) to conduct particle-by-particle inter-instrumental physicochemical/mineralogical analysis – any naturally occurring Crystalline Silica that may exist in this product is inextricably bound, biologically/environmentally unavailable and at de minimis concentration. Thus, in its current and anticipated future physical state, this product is incapable of causing toxicologically relevant Crystalline Silica exposure under either normal conditions of use or in extreme upset scenarios.

Additional Information

Per the scientific results of material characterization testing conducted on the earthen components of this mixture, there are no additional ingredients present at significant levels within this product and based on the best available information, any naturally occurring trace level impurities that might exist are not at concentration levels capable of triggering detection or classification and hence, are not reportable within this section. Therefore, any and all trace level components have been excluded from reporting and classification as either a health or environmental hazard.

4. FIRST AID MEASURES

Description of Necessary First Aid Measures

Eye Contact: In case of eye contact, flush eyes with water. If necessary, seek medical attention.

Inhalation: If adverse effects occur, remove to uncontaminated area. If not breathing, give artificial respiration or oxygen by qualified personnel. Seek immediate medical attention.

Skin Contact: Use good hygiene practices including washing of skin with soap and water. If irritation occurs, seek medical attention.

Ingestion: Not an anticipated route of exposure. If a large amount is swallowed, get medical attention.

Most Important Symptoms/Effects, Acute and Delayed

Potential Acute Health Effects

Eye Contact	No known significant effects or critical hazards
Inhalation	No known significant effects or critical hazards
Skin Contact	No known significant effects or critical hazards
Ingestion	No known significant effects or critical hazards

Over-Exposure Signs/Symptoms

Eye Contact	No known significant effects or critical hazards
Inhalation	No known significant effects or critical hazards
Skin Contact	No known significant effects or critical hazards
Ingestion	No known significant effects or critical hazards

Indication of any Immediate Medical Attention and Special Treatment Needed

Treat symptomatically. Seek medical care if large quantities have been ingested or inhaled.

5. FIREFIGHTING MEASURES

Suitable Extinguishing Media

Use an extinguishing agent suitable for the surrounding fire.

Unsuitable Extinguishing Media

None Known

Special Hazards Arising from the Chemical

No specific fire or explosion hazard

Hazardous Thermal Decomposition Products

None Known

Special Protective Actions for Firefighters

No special measures are required

Special Protective Equipment for Firefighters

Fire-fighters should wear protective equipment appropriate to the fire hazard which exists.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

For Non-Emergency Personnel

Products are primarily naturally occurring earthen materials. No special precautions are known.

For Emergency Responders

Products are primarily naturally occurring earthen materials. No special precautions are known.

Environmental Precautions

Products are primarily naturally occurring earthen materials. No special precautions are known.

Methods and Material for Containment and Cleaning Up

Handle wastes in accordance with local requirements.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Wear personal protective equipment in accordance with those recommendations provided in Section 8. Use good hygiene practices and wash hands and face before eating, drinking or conducting personal hygiene. Reduce contamination from clothing and protective equipment before entering eating areas.

Conditions for Safe Storage, Including any Incompatibilities

Store in accordance with local regulations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits (General Dusts):

OSHA (PEL):	15 mg/m ³ (TWA, total particulates, not otherwise regulated)
	5 mg.m ³ (TWA, respirable particulates, not otherwise regulated)
ACGIH (TLV):	10 mg/m ³ (TWA, inhalable particulates, not otherwise regulated)
	3 mg/m ³ (TWA, respirable particulates, not otherwise regulated)

Engineering Controls:

Observe occupational exposure limits and provide local ventilation as necessary to control dust inhalation.

Personal Protection:

Hygiene Measures: No specific recommendation made, but good hygiene practices are advised. Wash hands, forearms and face after handling products and prior to eating, smoking, and using the lavatory.

Eye/Face Protection: Wear eye protection where excessive eye contact may occur. Provide eyewash station.

Skin and Body Protection: Follow good Industrial Hygiene practices. Wash hands at the end of each work shift and before eating, smoking, and personal hygiene.

Respiratory Protection: No specific recommendations made, but respiratory protection must be used where general dust levels exceed occupational exposure limits. If desired, appropriate respiratory protection may be utilized in high dust conditions and affected work areas.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Solid (Loose, Granular)
Color:	Off White
Upper/lower flammability/explosive limits:	Not Applicable
Odor:	Earthy
Odor threshold:	Unknown
Vapor pressure:	Not Applicable
Vapor density:	Not Applicable
VOC Content:	None, As Produced
Viscosity:	Not Applicable
pH:	5-10
Specific Gravity:	2.2-2.4 (Water =1)
Melting/Freezing point:	Not Applicable
Solubility(ies)	Negligible (Water)
Initial boiling point and boiling range:	Not Available
Partition coefficient: n-octanol/water:	Not Available

Flash point:	Not Applicable
Auto-ignition temperature:	Not Applicable
Evaporation rate	Not Applicable
Decomposition temperature:	Not Available
Flammability (solid, gas):	Not Available

10. STABILITY AND REACTIVITY

Reactivity

Stable under normal temperature conditions.

Chemical Stability

Stable under normal storage and handling conditions.

Possibility of Hazardous Reactions

None known under normal conditions of storage and use.

Conditions to Avoid (*e.g., static discharge, shock, or vibration*)

None known under normal conditions of storage and use.

Incompatible Materials

None known under normal conditions of storage and use.

Hazardous Decomposition Products

None known under normal conditions of storage and use.

11. TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

Acute Toxicity: This product is not classified.

Irritation/Corrosion: This product is not classified.

Sensitization: This product is not classified.

Mutagenicity: This product is not classified.

Carcinogenicity: This product is not classified.

Reproductive Toxicity: This product is not classified.

Teratogenicity: This product is not classified.

Specific Target Organ Toxicity (Single Exposure): This product is not classified.

Specific Target Organ Toxicity (Repeated Exposure): This product is not classified.

Aspiration Hazard: This product is not classified.

Information on the Likely Routes of Exposure (Dermal Contact, Eye Contact, Inhalation, Ingestion)

Potential Acute Health Effects

Eye Contact: No known significant health effects or critical hazards.

Inhalation: No known significant health effects or critical hazards.

Skin Contact: No known significant health effects or critical hazards.

Ingestion: No known significant health effects or critical hazards.

Symptoms Related to the Physical, Chemical and Toxicological Characteristics

Eye Contact: No known significant health effects or critical hazards.

Inhalation: No known significant health effects or critical hazards.

Skin Contact: No known significant health effects or critical hazards.

Ingestion: No known significant health effects or critical hazards.

Delayed and Immediate Effects and Also Chronic Effects from Short and Long Term Exposure

Short Term Exposure

Potential Immediate Effects: No known significant health effects or critical hazards.

Potential Delayed Effects: No known significant health effects or critical hazards.

Long Term Exposure

Potential Immediate Effects: No known significant effects or critical hazards.

Potential Delayed Effects: No known significant effects or critical hazards.

Potential Chronic Health Effects

General: No known significant effects or critical hazards.

Carcinogenicity: No known significant effects or critical hazards.

Mutagenicity: No known significant effects or critical hazards.

Teratogenicity: No known significant effects or critical hazards.

Developmental Effects: No known significant effects or critical hazards.

Fertility Effects: No known significant effects or critical hazards.

Numerical Measures of Toxicity

Acute Toxicity Estimates: No data available for this product.

Toxicity: No data available for this product.

Persistence and Degradability: No data available for this product.

Bioaccumulative Potential: No data available for this product.

Mobility in Soil (Soil/Water Partition Coefficient): No data available for this product.

Other Adverse Effects: None known

12. ECOLOGICAL INFORMATION

Ecotoxicity

Not regarded as dangerous for the environment.

Acute Fish Toxicity

Not considered toxic to fish.

Persistence and Degradability

These products are not readily biodegradable.

Bioaccumulative Potential

These products are not bioaccumulating.

Mobility in Soil

Not relevant, due to the form of the products.

Other Adverse Effects

None. The primary components in this product generally represent heat processed naturally occurring earthen and inert material which do not constitute a known health hazard and are non-combustible.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Dispose of waste and residues in accordance with local and national environmental requirements.

14. TRANSPORT INFORMATION

	DOT Classification	IMDG	IATA
UN Number	Not Regulated	Not Regulated	Not Regulated
UN Proper Shipping Name	--	--	--
Transport Hazard Class(es)	--	--	--
Packing Group	--	--	--
Environmental Hazards	No	No	No

AERG: Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code: Not applicable.

Special Precautions for User: Not applicable

Additional Information: Non-bulk packages of this product are not regulated as hazardous materials. This product is not regulated as a hazardous material when transported in sizes of ≤5 L or ≤5 kg, provided the packaging meets general provisions of DOT §§ 173.24 and 173.24a; IMDG 4.1.1.1, 4.1.1.2 and 4.1.1. 4 to 4.1.1.8.; and IATA 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.

15. REGULATORY INFORMATION

US Federal Regulations

TSCA 8(a) PAIR

Not determined

TSCA 8(a) CDR Exempt/Partial exemption

Not determined

United States Inventory (TSCA 8b)

All components are listed or exempted

Clean Air Act Section 112(b) Hazardous Air Pollutants (HAP's)

Not listed

Clean Air Act Section 602 Class I Substances

Not listed

Clean Air Act Section 602 Class II Substances

Not listed

DEA List I Chemicals (Precursor Chemicals)

Not Listed

DEA List II Chemicals (Essential Chemicals)

Not Listed

SARA 302/304 - Composition/Information on Ingredients

No products were found

SARA 313/304 RQ

Not Applicable

SARA 311/312 - Classification

Not applicable

SARA 313

Not applicable. This product does not contain chemicals subject to SARA Title III Section 313 Reporting requirements.

State Regulations

California Proposition 65 Components

This product does not contain chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm at levels above the “safe harbor” designation. Any naturally occurring trace component concentrations that may exist including Crystalline Silica are so low that they are non-detectable and incapable of creating significant exposures or risk of cancer, birth defects or reproductive harm.

Other State Right to Know Components

No investigation of State and Local requirements was performed. For details on these regulatory requirements, contact the appropriate agencies within your region.

16. OTHER INFORMATION

Procedures Used to Drive Classification

Classification	Justification
Not Classified	Toxicology Library and Available Databases

Further Information

License granted to make unlimited paper copies for internal use only. The above information is believed to be correct as of the date of preparation and does not purport to be all inclusive or account for naturally occurring variation in the composition of raw ores. It therefore, represents no guarantee of the properties associated with these products.

The information in this document should be used only as a guide in applying the appropriate safety precautions and professional consultation is advised. Should naturally occurring variation cause significant change in product composition, this information will undergo revision as appropriate. Dicaperl Minerals LLC and its affiliates shall not be held liable for any damage resulting from the end user’s handling or contact with these products.

Document History

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