

## SAFETY DATA SHEET

### I. IDENTIFICATION

*Identity:* Purple Cow Seed Starter  
*Product Use:* Soil blend for germinating seeds, for individual and commercial use

*Manufactured by:* Purple Cow Organics, LLC  
PO Box 620856  
Middleton, WI 53562

*Phone Number:* 608-831-0349  
*Date:* 4/30/2020

### II. HAZARDS IDENTIFICATION

*Hazards Classification:* GHS Classification 3  
*Signal Word:* Warning  
*Hazard Statements* May be irritating to the respiratory tract, eyes, and skin. Ingestion may cause gastrointestinal upset. Dust may contain respirable crystalline silica.

*Precautionary Statements:*

- Avoid breathing dust
- Use only outdoors or in well ventilated area
- If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- May irritate on contact with eyes, wash out with water immediately
- Call a Poison Control Center or physician if accidentally inhaled or ingested
- Dispose of contents in accordance with local, regional, national regulations

### III. COMPOSITION/INFORMATION ON INGREDIENTS

<u>CAS No</u>	<u>Component</u>
7447-40-7	Potassium Chloride
7647-14-5	Sodium Chloride
93763-70-3	Perlite
1318-00-9	Vermiculite
10101-41-4	Calcium Sulphate Dihydrate
93763-70-3	Volcanic Ash
N/A	Leaf Compost
N/A	Sphagnum Peat Moss
N/A	Seaweed Meal of Ascophyllum Nodosum
N/A	Pelletized Phosphate
N/A	Granulated Bonemeal

### IV. FIRST-AID MEASURES

*Route(s) of Entry:*

<i>Inhalation:</i>	Prolonged inhalation of respirable silica may cause scarring of the lungs with cough and shortness of breath. (silicosis) Remove to fresh air. If not breathing, give artificial respiration. If breathing difficulty or coughing persists, seek medical attention.
<i>Eyes:</i>	Dust may be irritating to eyes. If the material gets into the eye, flush the eye under running water for at least 15 minutes. If easy to do, remove contact lenses and continue to flush with water.
<i>Skin:</i>	Prolonged contact may be slightly irritating due to drying of the skin. Wash thoroughly with neutral soap and water. Seek medical attention if skin irritation persists or if skin rashes or dermatitis develop.
<i>Ingestion:</i>	May cause gastric irritation, nausea, vomiting, abdominal burning and cramp like pain. Chronic exposure to excessive levels of fluoride containing dusts may cause excessive calcification of the bone and ligaments of the ribs, pelvis and spinal column. Give large amounts of water. If symptoms are severe or persistent seek medical assistance.

<b>V. FIRE-FIGHTING MEASURES</b>
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General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

<i>Flash Point:</i>	N/A
<i>Flammable Limits:</i>	Non-flammable
<i>Extinguishing Media:</i>	Use extinguishing agents appropriate for surrounding fire.
<i>Hazardous Combustion Products:</i>	Miscellaneous decomposition products
<i>Fire Fighting Measures:</i>	Avoid inhalation of material or combustion by-products. Move material from fire area if it can be done without risk. Use extinguishing agents appropriate for surrounding fire. Do not scatter spilled material with high-pressure water streams. Stay upwind and keep out of low areas.
<i>Protective Equipment and Precautions for Firefighters:</i>	Wear full protective fire fighting gear including self-contained breathing apparatus (SCBA) for protection against possible exposure.

<b>VI. ACCIDENTAL RELEASE MEASURES</b>
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<i>Personal Precautions:</i>	Avoid breathing dust. Stand upwind when loading/unloading and broadcasting.
<i>Protective Equipment:</i>	Use personal protective equipment as recommended in Section 8. (dust mask/particulate filter)
<i>Emergency Procedures:</i>	Contain spill area and protect from pedestrian or vehicle traffic.
<i>Environmental Procedures:</i>	Prevent further leakage or spillage if safe to do so. Do not allow to enter drains, sewers, or watercourses.
<i>Methods and materials for</i>	

*contaminant and cleaning up:* Avoid generating dust. Shovel or sweep up spilled material and place in suitable container. Dispose in accordance with federal, state/provincial and local requirements.

**VII. HANDLING AND STORAGE**

*Precautions for Safe Handling:* Use methods to minimize generation of dust. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Do not handle until all safety precautions have been read and understood. Avoid breathing dust. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Wear personal protective clothing and equipment.

*Conditions for Safe Storage, including any Incompatibilities:* Store and handle in accordance with all current regulations and standards. Store in a cool, dry place. Keep away from incompatible materials.  
Incompatibilities: acids

**VIII. CONTROL MEASURES**

*Engineering Controls:* No specific controls needed. Ventilate to keep airborne concentrations below exposure limits. Use of an enclosed tractor cab with particulate air filtration can reduce the risk of inhaling dusts and soils during application.

*Skin Protection:* Direct skin contact should be avoided by wearing long sleeved shirts and long trousers and gloves (leather or equivalent). Disposable particulate coveralls may be used when conditions warrant.

*Eye Protection:* Safety spectacles or goggles.

*Respiratory Protection:* Occupational Safety and Health Administration (OSHA) Regulations (29 CFR 1910.134 – Respiratory Protection) must be followed whenever work conditions require a respirator. A National Institute for Occupational Safety and Health (NIOSH) approved particulate respirator is recommended when engineering controls are not feasible, or while engineering controls are being instituted, and if an OSHA PEL or ACGIH TLV is exceeded.

*Personal Hygiene:* Work clothing should be washed regularly. Wash hands before eating, drinking, or using tobacco products. Wash exposed skin with soap and water.

*HMIS Code/Personal Spills:* Avoid creating dust when cleaning up. Scoop, shovel or sweep to appropriate containers for recycling/salvage if not contaminated by other material.

*Waste Disposal Method:* Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Dispose of product in accordance with a local and national regulation.

Precautions in Storing: If storing outside, best to keep in protected area ways from wind and water

## IX. PHYSICAL AND CHEMICAL PROPERTIES

*Physical State:* Solid  
*Appearance:* Dark, granular solid  
*Odor:* Earthy  
*Odor Threshold:* N/A  
*pH:* 7.0-8.0  
*Melting Point:* N/A  
*Boiling Point:* N/A  
*Flash Point:* N/A  
*Decomposition:* N/A  
*LEL:* N/A  
*UEL:* N/A  
*Vapor Pressure:* N/A  
*Vapor Density:* N/A  
*Bulk Density:* 425 lbs/yd<sup>3</sup>  
*Water Solubility:* <1%  
*Log KOW:* N/A  
*Coeff. Water/Oil Dist:* N/A  
*Auto Ignition Temperature:* Approximately 550 degrees C  
*Decomposition Temperature:* Approximately 550 degrees C  
*Viscosity:* N/A

## X. STABILITY AND REACTIVITY

*Reactivity:* This product is stable and non-reactive under normal conditions of use, storage and transport.  
*Stability:* Stable  
*Conditions to Avoid:* Avoid generating dust. Avoid heat, flames, sparks and other sources of ignition. Avoid contact with incompatible materials. Avoid contact with acids.  
*Incompatibility:* Strong Acids  
*Hazardous Polymerization:* None

## XI. TOXICOLOGICAL INFORMATION

*Carcinogenicity:*  
*ACGIH:* Not Listed  
*NTP:* Not Listed  
*OSHA-PELV:* Not Listed  
*IARC:* Not Listed  
*CA Prop 65:* Not Listed  
*Reproductive Toxicity:* No information available for the product

<i>Specific Target Organ Toxicity</i> – <i>Single Exposure:</i>	No target organs identified
<i>Specific Target Organ Toxicity</i> – <i>Repeated Exposure:</i>	No target organs identified
<i>Aspiration Hazard:</i>	Not applicable
<i>Acute Toxicity:</i>	May cause irritation to respiratory tract, skin, and eyes. Repeated exposure to dust may cause lung damage.
<i>Component Analysis – LD50/LC50:</i>	The components of this material have been reviewed in various sources and no selected endpoints have been identified.
<i>Information on Likely Routes of Exposure:</i>	
<i>Inhalation:</i>	May cause irritation to respiratory tract. Repeated exposure to dust may cause lung damage.
<i>Ingestion:</i>	May cause irritation to gastrointestinal tract.
<i>Skin Contact:</i>	May cause irritation of the skin.
<i>Eye Contact:</i>	May cause irritation of the eyes.
<i>Immediate Effects:</i>	No information on significant adverse effects.
<i>Delayed Effects:</i>	No information on significant adverse effects.
<i>Medical Conditions Aggravated by Exposure:</i>	No data available.
<i>Irritation/Corrosivity Data:</i>	Mechanical irritation may occur.
<i>Respiratory Sensitization:</i>	No information available for the product
<i>Dermal Sensitization:</i>	No information available for the product
<i>Germ Cell Mutagenicity:</i>	No information available for the product

## XII. ECOLOGICAL INFORMATION

<i>Ecotoxicity:</i>	No information available for the product.
<i>Component Analysis</i> – <i>Aquatic Toxicity:</i>	No LOLI ecotoxicity data are available for this product’s components
<i>Persistence and Degradability:</i>	No information available for the product.
<i>Bioaccumulation:</i>	No information available for the product.
<i>Mobility:</i>	Not soluble in water and not mobile in soil
<i>Biodegradation:</i>	No information available for the product.

## XIII. DISPOSAL CONSIDERATIONS

See Sections 7 and 8 above for safe handling and use, including appropriate hygienic practices.

Recover or recycle if possible. Disposal should be in accordance with applicable local, regional, and national laws and regulations. Local regulations may be more stringent than regional or national requirements.

The information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the mater generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.

#### XIV. TRANSPORT INFORMATION

Follow the precautions indicated in the Control Measures of this SDS.

*DOT Proper Shipping Name:* Not Applicable  
*DOT Label:* Not Applicable  
*US DOT:* No information available  
*IMO:* Not regulated as a hazardous material  
*IATA:* Not regulated as a hazardous material  
*RID/ADR:* Not regulated as a hazardous material  
*Canadian TDG:* No information available  
*UN #:* Not regulated  
*Hazard Class:* Not regulated as a hazardous material  
*NAERG:* Not Applicable  
*Engineering Controls:* Facilities  
*Label Required:* Label as required by OSHA Hazards Communication Standard [29 CFR 1910.120 (f)] and applicable state and local regulations.

#### XV. REGULATORY INFORMATION

*US Federal Regulations:* None of this products component are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 311/312 (40 CFR 370.21), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

*SARA 311/312 Hazardous Categories*

*Acute Health:* No  
*Chronic Health:* No  
*Fire:* No  
*Pressure:* No  
*Reactive:* No

*US State Regulations:* None of this product's components are listed on the state lists from CA, MA, MN, NJ or PA. Not regulated under California Proposition 65.

#### XVI. OTHER INFORMATION AND COMMENTS

*Notes:* We do not accept liability for loss, injury or damage which may result from misuse. Data is solely for guidance purposes of safe handling and uses. We encourage users to conduct their own testing best suited for their purposes under their conditions.