



SAFETY DATA SHEET

Date: 11/1/23

Revision: N/A

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: BLUE GOLD® SOFT ROCK PHOSPHATE

Chemical Name: N/A **Organic Chemistry Formula**

Use: Agriculture

Trade Name – Raw Calcium Phosphate (Fluorapatite)

Company Identification:

EDEN SOLUTIONS LLC
109 E 17th Street, Suite 4564
Cheyenne, WY 82001
(307) 275-7010

NFPA HAZARD CLASS: (0) Health, (0) Flammability, (0) and Reactivity

2. COMPOSITION, INFORMATION ON INGREDIENTS

<u>Component**</u>	<u>CAS Registry No.</u>	<u>% (Approx.)</u>	<u>ACGIH TLV-TWA</u>
Calcium Phosphate	14797-73-2	<99%	No data

Raw Mineral

***Trade secret as allowed by 29 CFR §1910.1200-48.**

****All ingredients are exempt from requirements of tolerance (40 CFR §180.1001)**

3. HAZARDS IDENTIFICATION

Potential Health Effects

Eyes: Contact may cause irritant of stinging, watering and redness.

Skin: Contact may cause irritant of redness and burning.

Inhalation: May cause damage to organs through prolonged or repeated exposure if inhaled. May cause cancer if inhaled. Where respiratory equipment to prevent inhalation.

Ingestion: No information available. Studies would suggest gastrointestinal irritation; nausea, vomiting and diarrhea may be possible.

Potential Chronic Health Effects: No Potential chronic effects known. May cause health issues in individuals with compromised immune systems.

4. FIRST AID MEASURES

Eyes: Flush eyes with clean water for 15 minutes.

Skin: Wash with soap and water.

Ingestion: Unlikely to be toxic by ingestion. Rinse mouth out with water. Do not induce vomiting unless directed so by medical professionals. Consult health care provider if persistent irritation or negative side effects occur.

Inhalation: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably not by mouth to mouth so as not to transfer inhaled dust to respirator, if possible. Call a poison control center or doctor for treatment advice.

5. FIRE FIGHTING MEASURES

Flashpoint (Method used)	Flammable Limits in Air
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Non-flammable	Non-flammable
Non-combustible	Non-combustible

Extinguishing Agents - NA

Unusual Fire and Explosion Hazards - None known.

6. ACCIDENTAL RELEASE MEASURES

Small Spills: Wet dry spill with spray of clean water. Absorb and clean up with commercial or other absorbent and dispose into a container for proper disposal.

Large Spill: Correct the source of the spill. Using proper PPE for respiratory, skin and eye protection, collect spilled powder carefully without creating dust. Collect reusable product. Dispose non-reusable product in proper container. Use spray of water to wet remaining portion of spilled material, and dike up with absorbent material for containment. Prevent product from entering a waterway or sewer. Metal or plastic bins are considered proper containers for disposal. Dispose at an approved facility such as a municipal landfill or land application site. If solids form during clean up, add more water to help.

Release Notes: If spill could potentially enter any waterway such as small creeks, contact local authorities. Product contains natural ingredients, but which can be harmful to aquatic ecosystems if large spills occur. For navigable waterways contact the US Coast Guard National Response Center 800-424-8802. Notify appropriate federal, state and local agencies. Clean up any spills immediately.

7. HANDLING AND STORAGE

This material should be stored in a cool, dark, and dry place. Avoid humidity and heat in excess of 107F. Always wear proper PPE when handling product. Keep product away from children at all times. If maintenance of a large storage tank requires entry by personnel, OSHA's Confined Space standard (29CFR1910.146) should be complied with.

Handling: Avoid contact with eyes or prolonged skin contact.

Storage: Protect against physical or chemical contamination. Protect against radiation, humidity, extreme heat, and freezing temperatures. Store in a cool dark place.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Respiratory Protection –Wear MSHA-NIOSH approved respirator if inhalation of atomized product is possible.

Ventilation - Provide adequate ventilation to prevent accumulation of vapors in bulk storing situations.

Skin Protection - Rubber gloves are advised

Eye Protection - Safety glasses are advised

Hygiene - Wash any exposed area promptly with soap and water. Launder contaminated clothing before rewearing

Other Control Measures - None

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Ecru colored powder	Odor No data
Physical State Solid	Specific Gravity Unknown
Boiling Point N/A	Freezing/Melting Point N/A
Vapor Pressure N/A	% Volatile, by Volume No data
Evaporation Rate No data	Vapor Density in Air No data
Solubility in Water Insoluble	pH 10.0 +/- 15%

10. STABILITY AND REACTIVITY

Chemical Stability – Stable
Conditions to Avoid - Excess moisture.

Incompatibility with Other Materials -

Not compatible with chemical products such as fertilizers, herbicides or pesticides. No known reactions with other materials. Cultures biological activity when diluted with water and under proper conditions.

Hazard Decomposition Products - None known.

Hazardous Polymerization - NA

11. TOXICOLOGICAL INFORMATION

None

12. ECOLOGICAL INFORMATION

Prevent moderate to large releases to water. This product in moderate to large concentrations released directly to water has the potential to result in high Biological Oxygen Demand (BOD) and potential oxygen depletion of aquatic systems. Application rates are not considered as moderate or excessive.

13. DISPOSAL CONSIDERATIONS

Dispose of waste material at an approved municipal landfill or land application site.

14. TRANSPORT INFORMATION

Hazardous Materials Description/ Proper Shipping Name - NA

DOT Hazard Class - NA

DOT Identification Number - NA

This product is not a DOT hazardous material.

15. REGULATORY INFORMATION

Discharges to a water of the U.S. are regulated by the Environmental Protection Agency.

16. OTHER INFORMATION

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