

Fertoz Rock Phosphate Fertilizer Safety Data Sheet (SDS)

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SECTION 1: IDENTIFICATION

Product Identifier

Product Form: Substance

Product Name: Rock Phosphate

Intended Use of the Product: fertilizer (organic) or industrial use

Name, Address, and Telephone of the Responsible Party

Fertoz Organics Inc.

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www.fertoz.com

+1 (630) 269 6276

Emergency Telephone Number: 630-269-6276

SECTION 2: HAZARDS IDENTIFICATION

Hazards: Rock Phosphate is a naturally occurring mineral, and no direct hazardous components are known.

Hazard Symbols: None known

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Chemical Name: Rock Phosphate

CAS Number: 10103-46-5

Percentage: 90-100%

Hazards: Not classified as hazardous.

SECTION 4: FIRST AID MEASURES

First aid measures by exposure route:

Inhalation: move the affected person to fresh air and ensure they are in a well-ventilated area. If breathing is difficult, provide oxygen and seek immediate medical attention.

Skin Contact: Remove contaminated clothing and rinse the affected skin area with plenty of water. Gently wash the skin with mild soap and water. If irritation persists or there are signs of skin damage, seek medical attention.

Eye Contact: Rinse the eyes immediately and thoroughly with water for at least 15 minutes, ensuring to remove any contact lenses if present. If symptoms persist, seek immediate medical attention or consult with an eye specialist.

Ingestion: Do not induce vomiting unless instructed to do so by medical professionals. Rinse the mouth with water to remove any remaining material. Seek immediate medical attention or contact a poison control center.

Most Important Symptoms and Effects (Acute or Delayed):

- Inhalation: Respiratory irritation, coughing, wheezing, shortness of breath.
- Skin Contact: Skin irritation, redness, itching, dryness.
- Eye Contact: Eye irritation, redness, tearing, discomfort.
- Ingestion: Gastrointestinal irritation, nausea, vomiting, abdominal pain, diarrhea.

Immediate Medical Attention and Special Treatment:

If there are severe symptoms or signs of a medical emergency, it is important to seek immediate medical attention. Contact a healthcare professional, a poison control center, or call emergency services for further guidance. The specific treatment required will depend on the severity and nature of the exposure, and it should be provided by a qualified medical professional.

SECTION 5: FIRE-FIGHTING MEASURES

The material is rock phosphate, powder or granular and is non flammable.

Suitable Extinguishing Media: Water spray, dry chemical, foam, carbon dioxide.

Fire Hazard: Not considered flammable.

Explosion Hazard: Product is not explosive.

Unsuitable Extinguishing media: none known

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Handle like any natural or fertilizer material. Dispose of in accordance with local, state and federal regulations.

For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protective equipment (PPE). Gloves, dust mask, and safety glasses.

Emergency Procedures: none

Environmental Precautions: Prevent entry to sewers and public waters.

Methods and Materials for Containment and Cleaning Up: Recover the product by vacuuming, shoveling or sweeping.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling: Material is naturally occurring. Keep dry, prevent release to waterways. Product is non- flammable, non-reactive.

Precautions for Safe Storage: Store in well ventilated area to prevent accumulation of dust or fumes. Avoid areas susceptible to flooding or excess moisture. Use appropriate totes for safe storage to prevent spillage and contamination.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters: Use simple PPE- work clothes, gloves, eye protection for dust



Exposure Controls

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal Protective Equipment: Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection.

Hand Protection: Wear protective gloves.

Eye and Face Protection: Glasses or goggles.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: None specified, may use dust mask in off-loading or loading.

Other Information: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

| | |
|--|-------------------------|
| Physical State | : Powder, dust, granule |
| Appearance | : Brown to tan |
| Odor | : none |
| Odor Threshold | : none |
| pH | : 6-8 |
| Evaporation Rate | : No data available |
| Melting Point | : No data available |
| Freezing Point | : No data available |
| Boiling Point | : No data available |
| Flash Point | : none |
| Auto-ignition Temperature | : none |
| Decomposition Temperature | : none |
| Flammability (solid, gas) | : none |
| Vapor Pressure | : none |
| Relative Vapor Density at 20°C | : none |
| Relative Density | : none |
| Specific Gravity | : 1.2-1.4 |
| Solubility | : low |
| Partition Coefficient: N-Octanol/Water | : none |
| Viscosity | : none |
| Lower flammable/explosive limit | : none |
| Upper flammable/explosive limit | : none |
| Vapour density | : none |

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Hazardous reactions will not occur.

Chemical Stability: Stable under normal storage and handling conditions. It does not undergo significant spontaneous chemical reactions.

Possibility of Hazardous Reactions: Rock phosphate does not typically exhibit hazardous reactions.

Conditions to Avoid: Avoid static discharge or build-up of static electricity during handling or transfer, as it may cause ignition or fire hazards. Minimize physical impact, shock, or vibration to prevent mechanical damage or release of dust.

Incompatible Materials: Keep away from strong oxidizing agents, as they may cause chemical reactions or combustion.

Hazardous Decomposition Products: Under extreme heat or fire conditions, rock phosphate may release toxic gases or fumes, such as phosphorus oxides. These gases can be harmful if inhaled in high concentrations.

SECTION 11: TOXICOLOGICAL INFORMATION

No specific toxicological data available for the product since it is made up of naturally occurring mineral. Low toxicity and are not expected to pose significant health hazards under normal use and handling.

Likely routes of exposure: inhalation, ingestion, skin contact, eye contact

Symptoms considerations:

Physical Characteristics

- Dust Inhalation: Inhaling fine particles may cause irritation to the respiratory system, leading to symptoms such as coughing, wheezing, or shortness of breath.
- Eye Irritation: Direct contact with dust or particles may cause eye irritation, leading to redness, tearing, or discomfort.
- Skin Irritation: Prolonged or repeated contact may result in skin irritation, such as redness, itching, or dryness.

Toxicological Characteristics

- Ingestion: Swallowing large amounts may cause gastrointestinal irritation, leading to symptoms like nausea, vomiting, abdominal pain, or diarrhea.
- Inhalation: Inhaling high concentrations of dust over an extended period may potentially lead to respiratory issues or lung damage

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Ecology: Not Classified

LC50 Fish 1: None

EC50 Daphnia 1: None

EC50 Other Aquatic Organisms 1: None

Persistence and Degradability: Not Established

Bio accumulative Potential: Not Established

Log Pow: 0.05 (at 25 °C)

Mobility in Soil: Design for use as fertilizer

Other Adverse Effects: None

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Treatment Methods: Waste Disposal Recommendations: Sweep up product for use, recycle or disposal

Ecology - Waste Materials: Avoid direct release to waterways.

SECTION 14: TRANSPORT INFORMATION

In Accordance with DOT

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

| | |
|--------------------------------|-----------------------------|
| In Accordance with DOT | Not regulated for transport |
| In Accordance with IMDG | Not regulated for transport |
| In Accordance with IATA | Not regulated for transport |
| In Accordance with TDG | Not regulated for transport |

SECTION 15: REGULATIONS

This product is not subject to specific regulatory requirements.

- DSL/NDSL status: not subject to the Domestic Substances List
- TSCA status: not subject to TSCA regulations or reporting requirements
- Prop 65 status: not subject to warning requirements of prop 65

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Rock phosphate is a naturally occurring mineral. No hazardous components are known.

This Safety Data Sheet (SDS) is prepared to comply with the Global Harmonized System (GHS) for chemical classification and labeling and in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

In Canada, this SDS is prepared in compliance with the the Hazardous Products Regulations (HPR) under the Workplace Hazardous Materials Information System (WHMIS).

Disclaimer: The information provided is based on the current state of knowledge and is subject to change without notice. The user is solely responsible for ensuring the safe handling, storage, use, and disposal of the product.

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