



Fertify Premium Fertilizer 2-8-4 Plus 1% Sulfur Safety Data Sheet (SDS)

SECTION 1: Identification

Product Name: **Fertify Premium Fertilizer**

Form: Pelletized

Recommended Use: Fertilizer, soil amendment, crop nutrient

Manufactured and distributed by:

Fertoz Organics Inc.

111 W Chicago Ave, Suite 100 Hinsdale, IL 60521 USA

Emergency Contact: +1 (630) 269 6276

Range Cubes Mill LLC

2804 Valley Dr E, Miles City, MT 59301, United States

406-234-2831

SECTION 2: Hazards Identification

Hazards: The ingredients in Fertify are naturally occurring, and no direct hazardous components are known.

Hazard Symbols: None known

SECTION 3: Composition/Information on Ingredients

Chemical Name: Chicken Litter

CAS Number: N/A, organic material

Percentage: 30-60%

Hazards: Not classified as hazardous.

Chemical Name: Soft Rock Phosphate (Natural Mineral)

CAS Number: 10103-46-5

Percentage: 15-40%

Hazards: Not classified as hazardous.

Chemical Name: Sulfate of Potash (SOP)

CAS Number: 7778-80-5

Percentage: 1-5%

Hazards: Not classified as hazardous.



SECTION 4: First Aid Measures

Inhalation	Move the affected person to fresh air. If symptoms persist, seek medical attention.
Skin Contact	Wash affected areas thoroughly with soap and water. If irritation occurs, seek medical attention.
Eye Contact	Flush eyes with cool water for at least 15 minutes, lifting the upper and lower eyelids occasionally. Seek medical attention if irritation persists.
Ingestion	Do not induce vomiting. Rinse mouth thoroughly with water. Do not induce vomiting. Seek medical attention if necessary.
General Information	Seek medical advice if you feel unwell. Show the doctor the SDS. Avoid contact with skin and eyes. Wear gloves and safety goggles with side shields. Keep out of reach of children.
Acute/ Chronic Hazards	No acute or chronic hazards, most important symptom is temporary eye irritation with direct contact to eyes, leading to eye tearing, redness or discomfort.

SECTION 5: Fire-Fighting Measures

Suitable Extinguishing Media	Use extinguishing media appropriate for the surrounding fire. It is recommended to use dry chemical extinguishers designed for class A fires (ordinary combustibles) or consult with a professional firefighter with experience handling agricultural fires.
Specific Hazards Arising from the Chemical	Not applicable. No explosion hazard.
Hazardous Combustion Products	May include and are not limited to: Oxides of sulfur. Oxides of potassium.
Special Protective Equipment and Precautions for Firefighters	Special Protective Equipment and Precautions for Firefighters: Wear appropriate protective equipment to prevent inhalation of smoke or fumes, including a self contained breathing apparatus.
Specific Methods	Cool containers exposed to flames with water until well after the fire is out.
Unsuitable Extinguishing Media	Water may not be effective in extinguishing fires involving chicken litter. The high organic content of chicken litter make it difficult for water to fully extinguish the fire. Foam may not be effective in smothering and extinguishing the fire due to organic nature of the product making it



difficult for foam to adhere to and suppress the fire. Carbon dioxide may not be effective due to organic content and the need for oxygen to sustain the combustion process.

SECTION 6: Accidental Release Measures

Personal Precautions	Avoid contact with eyes, skin, and clothing. Use appropriate personal protective equipment.
Environmental Precautions	Avoid release into the environment. Prevent contamination of water sources and sewers. Dispose according to local, state, and federal regulations.
Cleanup Procedures	Sweep or shovel the material for disposal or reuse in accordance with local regulations.
Containment	During transportation, rock phosphate should be securely loaded, vehicles should be properly maintained and equipped with cleanup materials. Packaged material should be placed in sturdy, leak proof totes to prevent spillage and contamination. Clear labelling is required.

SECTION 7: Handling and Storage

Handling	Avoid inhalation of dust. Provide appropriate exhaust ventilation. Use appropriate personal protective and respiratory equipment during dust generation. Wash hands thoroughly after handling. Keep dry. Prevent release to waterways. Non-flammable. Non-reactive.
Storage	Store in a cool, dry, well-ventilated place away from incompatible materials. Keep out of reach of children.

SECTION 8: Exposure Controls/Personal Protection

Exposure limits	<p>No specific limits have been established. As a guideline, OSHA (United States) has established the following limits, which are generally recognized for inert or nuisance dust. Particulates Not Otherwise Regulated (PNOR): 5mg/cu.m. Respirable Dust 8-Hour TWA PEL, 15mg/cu.m. Total Dust 8-Hour TWA PEL.</p> <p>No specific limits have been established for potassium sulfate (a soluble substance). As a guideline, ACGIH (United States) has established the following limits, which are generally recognized for inert or nuisance dust. Particulates (insolubles) Not Otherwise Classified (PNOC): 10mg/cu.m.</p>
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Inhalable Particulate 8-Hours TWA TLV, 3mg/cu.m. Respirable Particulate TWA TLV

Engineering Controls

- Ensure adequate ventilation to maintain low air concentrations.
- Emergency eye wash fountain
- Observe national and local regulations

Personal Protective Equipment

- Eye/Face Protection: Safety goggles or glasses.
- Skin Protection: Gloves and protective clothing as necessary.
- Respiratory Protection: Not typically required. Use an appropriate respiratory protection if exposure limits are exceeded. Dust mask for loading and offloading.

Other

Do not eat, drink or smoke when handling. Wash hands after handling.

SECTION 9: Physical and Chemical Properties

Physical State: Solid, pelletized

Color: Brown, tan, beige, grey

Odor: Earthy

Melting Point: No data available

Boiling Point: No data available

Solubility in Water: Partially soluble

pH: 6-8, neutral

Odour threshold: N/A

Flash point: N/A

Evaporation rate: N/A

Flammability (solid; gas): N/A

Lower flammable/explosive limit: N/A

Upper flammable/explosive limit: N/A

Vapour pressure: N/A

Vapour density: N/A

Relative density: 65-75 lbs/ft³

Partition coefficient – n-octanol/water: N/A

Auto-ignition temperature: N/A

Decomposition temperature: N/A

Viscosity: N/A

SECTION 10: Stability and Reactivity

Stability: Stable under normal conditions.

Incompatible Materials: None known.

Hazardous Decomposition Products: Oxides of Sulphur, Oxides of Potassium.

Reactivity: May react with: Aluminum, Magnesium.



Conditions to avoid: Moisture, store in a dry environment to prevent clumping or hardening. High temperatures and direct sunlight may cause material to degrade. Wind can create dusty conditions.

SECTION 11: Toxicological Information

No specific toxicological data available for the product blend since it is made up of naturally occurring minerals and organic matter. However, the components have 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

No specific ecological data available for the mixture. However, when used as directed, it is not expected to cause adverse effects on the environment. Designed for use in agriculture as a fertilizer.

Ecotoxicity: Sulfate of Potash: Aquatic Fish LC50 Fathead minnow (*Pimephales promelas*) 510 - 880 mg/L, 96 hours, no other data available

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

Other adverse effects

SECTION 13: Disposal Considerations

Sweep, and recycle or dispose. Dispose of waste material in accordance with local, state, and federal environmental regulations. Avoid contamination of water sources.



SECTION 14: Transport Information

Not regulated

Not regulated under transport regulations: DOT, IMDG, IATA, TDG

SECTION 15: Regulatory Information

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

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.