



## Mission Fertilizer LLC

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### MATERIAL SAFETY DATA SHEET

## Roots 2-0-0

#### SECTION I - PRODUCT IDENTIFICATION

Product Name and Synonyms: **Roots 2-0-0**

Trade Name and Synonyms: None

Description: Clear Liquid with guano odor

Chemical Family: Organic liquid solution

Chemical Formula: N/A

CAS Name and Number: N/A

#### SECTION II - PRODUCT AND COMPONENT HAZARD DATA

COMPONENTS	OSHA PEL/UNITS	ACGIH/UNITS
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Fossilized Seabird Guano	N/A	N/A
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#### SECTION III - PHYSICAL DATA

Appearance and Odor: Clear, liquid, sweet guano odor

Boiling Point: N/A

Vapor Pressure: N/A

Percent Volatile: None

Solubility in Water: Greater than 95%

Molecular Weight: Unknown

Melting Point: N/A

Specific Gravity: 1.3

pH: 6.5 to 7.0

Evaporation Rate: N/A

#### SECTION IV - FIRE AND EXPLOSION DATA

Flash Point: Unknown

Upper: N/A

Lower: N/A

Special Fire Fighting Procedures: Approved self-contained breathing apparatus for fire fighters.

Fire Extinguishing Agent: Use suitable agent for surrounding fire.

Flammable Limits: N/A

Unusual Fire and Explosion Hazards: None

#### SECTION V - REACTIVITY DATA

Stability: Stable

Conditions to Avoid: None

Hazardous Polymerization: Will not occur

Incompatibility (materials to avoid): None known

Hazardous Decomposition Products: None known

#### SECTION VI - HEALTH HAZARD INFORMATION

Effects of Routine Use: None known

Effects of Overexposure: None known

#### EMERGENCY AND FIRST AID PROCEDURES

Eye Contact: Wash with water for 15 minutes

Skin Contact: Wash with soap and water

Inhalation: Consult a physician

Ingestion: Consult a physician

#### SECTION VII - TOXICITY DATA

Carcinogenicity: Not Listed as a carcinogen by IARC, NTP, OSHA, or ACGIH

Other Pertinent Data: None

#### SECTION VIII - SPECIAL PROTECTION INFORMATION

##### PERSONAL PROTECTIVE EQUIPMENT

Protective Gloves: N/A

Eye Protection: Chemical Goggles Respiratory Protection: N/A

Other Protective Equipment: N/A

##### VENTILATION

Local exhaust: Not normally required

Mechanical: Not normally required

Special: N/A

Other: N/A

#### SECTION IX - SPILL, LEAK, AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Waste Disposal Methods: Sweep up spilled material and place in suitable container for recycle or disposal. Comply with local disposal laws.

Clean Water Act Requirements: None

Resource Conservation and Recovery Act: None

**SECTION X - REGULATORY INFORMATION**

FDA: N/A

USDA: N/A

DOT: Non-Regulated

CPSC: N/A

Proper Shipping Name: Organic solid

TSCA: N/A

Label Requirements: None

Hazard Class: None

Other Information: None

Identification Number: None

EPA: Superfund Amendments and Reauthorization Act (SARA) Title III: Section 313, Supplier Notification.

**SECTION XI - SPECIAL PRECAUTIONS AND COMMENTS**

Precautions to be Taken in Handling and Storage: Keep in dry place.

Other Precautions: None

Registrations/Certifications: None

Effective Date: 9/12/12

**Rev. 9/12/12**