

SAFETY DATA SHEET

Section 1. Identification

Product identifier: Sunleaves Sumatran Bat Guano

Chemical name: Bat Guano

Recommended use: Fertilizer

Manufacturer name: Sunleaves Garden Products

7854 N. State Rd. 37
Bloomington, IN 47404

Telephone number: (812) 558-9000

Date of preparation: September 1, 2015

Section 2. Hazard(s) Identification

Classification:

Physical	Health	Environment
Not hazardous	Not hazardous	Not hazardous

Labeling:

N/A

Hazard statement(s):

N/A

Precautionary statement(s):

Follow instructions before use.
Do not handle until all safety precautions have been read and understood.
Do not breathe dust. Wash thoroughly after handling.
If exposed or concerned: Remove person from exposed area in case of inhalation.
Clean exposed open wounds with soap and water.

Section 3. Composition / Information On Ingredients

Chemical name	CAS No.	Concentration
Bat Guano containing Ammoniac Nitrogen	Not available	Not available

Section 4. First-Aid Measures

Inhalation: Remove to fresh air in case of inhalation.

Skin contact: Remove contaminated clothing and launder before reuse. Wash open wound with soap and water. Get medical attention if irritation develops or persists.

Eye contact: Immediately flush eyes with large quantities of water for several minutes, holding the eyelids apart. Get medical attention if irritation persists.

Ingestion: If swallowed, rinse mouth with water.

Most important symptoms/effects, Acute: Inhalation of fine dust may cause respiratory irritation or acute breathing problems (choking). Ingestion of moderate amounts may cause nausea and vomiting. Exposure to open wound may cause irritation.

Delayed: Potential for exposure to spores of *Histoplasma capsulatum* if fine dust is inhaled, causing potential for chronic lung infection Histoplasmosis.

Indication of immediate medical attention and special treatment, if necessary: None required under normal conditions of use.

Section 5. Fire-Fighting Measures

Suitable (and unsuitable) extinguishing media: Use media appropriate to the surrounding fire (water, CO₂, dry chemical foam).

Specific hazards arising from the chemical: Avoid creating large dust clouds.

Special protective equipment and precautions for fire-fighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing.

Section 6. Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures: Wear appropriate protective clothing as described in Section 8.

Environmental precautions: Report releases as required by local and federal authorities.

Methods and materials for containment and cleaning up: Collect by sweeping or using dustless method (vacuuming) and place in appropriate container for use or disposal.

Section 7. Handling And Storage

Precautions for safe handling: Do not breathe dust. Wear protective clothing and equipment as described in Section 8. Use with adequate ventilation and proper dust collection methods to keep exposure level below occupational exposure limits. Wash hands thoroughly with soap and water after use.

No special waste disposal precautions.

Empty containers retain product residues. Follow all SDS precautions in handling empty containers.

Conditions for safe storage, including any incompatibilities: Store in a cool, dry, well-ventilated area. Protect from physical damage.

Section 8. Exposure Controls / Personal Protection

Exposure guidelines:

Appropriate engineering controls: Use with adequate general or local exhaust ventilation to maintain exposures below the occupational exposure limits.

Individual protection measures, such as personal protective equipment:

Respiratory protection: If the exposure limits are exceeded, use a NIOSH approved particulate respirator appropriate for the form and concentration of the contaminants. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 or other applicable regulations and good industrial hygiene practice.

Skin protection: Wear protective gloves.

Eye protection: Safety glasses or goggles recommended to prevent eye contact.

Other: Dust mask recommended to protect from particulates. If product is wet, wear dust mask to protect from ammonia.

Section 9. Physical And Chemical Properties

Appearance (physical state, color, etc.): Dark brown in color with fluffy texture.

Odor: Mild Ammonia odor, stronger when wet.

Odor threshold: Not available	pH: Not available
Melting point/Freezing point: Not available	Boiling point: Not available
Flash point: Not flammable	Evaporation rate: Not available
Flammability (solid, gas): Not flammable or combustible	Specific gravity: @ 40°C: 2.37g/mL
Flammable limits: LEL: Not flammable	UEL: Not available
Vapor pressure: Not available	Vapor density: Not available
Relative density: Not available	Solubility in water: Negligible—creates a suspension in water
Partition coefficient: n-Octanol/water: Not available	Auto-ignition temperature: Not available
Decomposition temperature: Not available	Viscosity: Not available

Section 10. Stability And Reactivity

Reactivity: Not reactive under normal conditions of use.

Chemical stability: Stable.

Possibility of hazardous reactions: Avoid creating large dust clouds.

Conditions to avoid: None known.

Incompatible materials: None known.

Hazardous decomposition products: Hazardous polymerization will not occur.

Section 11. Toxicological Information

Inhalation: Inhalation of dust may cause irritation to the nose, throat and upper respiratory tract with coughing and shortness of breath.

Ingestion: Ingestion of moderate amounts may cause nausea and vomiting.

Skin contact: Open wound skin contact may cause irritation.

Eye contact: Dust causes irritation or redness with inflammation of the cornea. May cause mechanical irritation.

Chronic effects from short- and long-term exposure: Potential for exposure to spores of *Histoplasma capsulatum* if fine dust is inhaled, causing potential for chronic lung infection Histoplasmosis.

Reproductive Toxicity: None of the components have been shown to cause reproductive or developmental toxicity.

Sensitization: None of the components have been shown to cause sensitization in animals or humans.

Mutagenicity: None of the components have been shown to cause mutagenic activity.

Carcinogenicity: N/A

Acute Toxicity Values: N/A

Section 12. Ecological Information

Ecotoxicity: No data available.

Persistence and degradability: Biodegradable organic substance.

Bioaccumulative potential: Not expected to be bioaccumulative.

Mobility in soil: Biologically active material.

Other adverse effects: None known.

Section 13. Disposal Considerations

Collect by sweeping or using dustless method (vacuuming) and place in appropriate container for use or disposal.

Section 14. Transport Information

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
DOT	None	Not Regulated	None	None	None
TDG	None	Not Regulated	None	None	None
IMDG	None	Not Regulated	None	None	None
IATA	None	Not Regulated	None	None	None

Special precautions: None known.

Section 15. Regulatory Information

CERCLA: This product is not subject to CERCLA reporting requirements as it is sold. Many states have more stringent release reporting requirements. Report spills as required under federal, state and local regulations.

SARA Hazard Category (311/312): Acute Health, Chronic Health

SARA 313 Information: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None.

California Proposition 65

This product contains the following chemicals known to the State of California to cause cancer or reproductive toxicity (birth defects): None.

EPA TSCA Inventory: All of the ingredients in this product are listed on the EPA TSCA Inventory.

Section 16. Other Information

NFPA Rating: Health = 1 Flammability = 1 Instability = 0
HMIS Rating: Health = 1* Flammability = 1 Physical Hazard = 0
*Chronic Health Hazard

SDS revision history: All sections revised. Converted to GHS format.

Date of preparation: September 1, 2015

Date of last revision: September 1, 2015

The above information is accurate to the best of our knowledge. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse, are beyond our control, SUNLEAVES GARDEN PRODUCTS MAKES NO WARRANTY, EITHER EXPRESS OR IMPLIED, WITH RESPECT TO THE USE, COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN.