

Vital Earth's®

High Nitro. Bat Guano

9-3-1

Material Safety Data Sheet

I. PRODUCT NAME/TRADE NAME: **Emergency Telephone Number:**

Vital Earth's® High Nitro. Bat Guano 9-3-1 503-493-2784

Sizes: Sample, 1 lb/0.4536 kg, 2.2 lb/0.9979 kg, **Information Telephone Number:**

10 lb/4.5359 kg, 22 lb/9.9790 kg, 44 lb/19.958 503-493-2784

kg

Date Prepared:

EPA REGISTRATION #: None

01/15/08

CHEMICAL NAME/COMMON NAME:

Bat Guano/Bat Guano

WHIMIS Classification of Product:

Is not a controlled product and is not covered
under Hazardous Product Act and WHIMIS.
Fertilizer (Natural)

Product use:

II. HAZARDOUS INGREDIENTS

Ingredient	CAS #	LD50	LC50	OSHA PEL	ACGIH TLV
------------	-------	------	------	----------	-----------

NA

NA

NA

NA

NE

NE

III. PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:	NE	Specific Gravity (H ₂ O=1):	NA
Vapor Pressure (mmHg):	NA	Melting Point:	NA
Vapor Density (Air = 1):	NE	Freezing Point:	NA
% Volatiles by vol.:	NE	Evaporation Rate (Butyl Acetate + 1):	NA
Solubility in Water:	Soluble	Density:	Variable
Appearance and Odor:	Brown colored dry material, slight guano odor		
Flash Point/Method:	NA		
pH:	NA		

IV. FIRE AND EXPLOSION HAZARD DATA

Flash point (Method Used):	NA	Flammable Limits:	This material is slightly combustible due to residual protein. Direct flame results in short
Extinguishing Media:			

	Water, Carbon Dioxide, Dry Chemicals		lived sustained flame. Dust explosion conditions unknown. Use water to extinguish.
Hazardous Combustion			
Products:	Dioxides from fire		
Sensitivity to		LEL:	NA
Mechanical Impact:			
	NA	UEL:	NA
Sensitivity to Static			
Discharge:		Conditions of	
	NA	Flammability:	Will burn in a fire
Auto Ignition (°C):			
	NA		
Special Fire Fighting			
Procedures:	Treat as class A. Fight fire upwind. Wear positive pressure self- contained breathing apparatus and full protective equipment Do not breathe smoke or spray mist. Avoid fallout and runoff. Dike to prevent entering drains, sewers, or water courses. Evacuate		

people downwind from
fire.

Unusual Fire and
Explosion Hazards:

Avoid production of an
extremely dusty air
space in areas of local
burning or electrical
sparking

V. REACTIVITY DATA

Chemical Stability:	Stable
Incompatibility (Products to Avoid):	Fire, Water
Hazardous Decomposition or Byproducts:	CO _x , SO _x
Hazardous Polymerization:	Will Not Occur
Condition to Avoid:	Exposure to heat and acid
Reactivity, and under what conditions:	NA

VI. TOXICOLOGICAL PROPERTIES/HEALTH HAZARD DATA

Route(s) of Entry

Skin:

Wear proper personal protective equipment to reduce skin exposure.

Ingestion:

Do not ingest. Wash hands and face thoroughly before eating, drinking or smoking.

Inhalation:

Wear proper respiratory protection for the exposures encountered.

Eye Contact:

Can cause eye irritation. Wear proper eye protection to reduce exposure. If contact occurs, flush eyes with water for a minimum of 15 minutes.

Health Hazard (Acute or Chronic):

NA

Carcinogenicity:

IARC monographs	NTP	OSHA
None Known	None Known	None

Signs and Symptoms of Exposure:

Known

NA

Irritancy of product:

NA

Sensitization to Product:

NA

Teratogenicity:

None

Reproductive Toxicity: None

Mutagenecity: None

Synergistic Products: None

VII. PRECAUTION FOR SAFE HANDLING AND USE

Personal Protective Equipment

Respiratory: When dust is present, use a NIOSH/MSHA approved half- or a full-face respirator with a High Efficiency Particle Aerosol (HEPA) cartridge

Skin: Wear proper personal protective equipment to reduce skin exposure.

Eyes: Use appropriate eye protection e.g.: goggles, to minimize contact with dust.

Other: Wear sturdy work clothing and footwear for the specific application.

Environmental Hazards: Dike area to prevent entering drains, sewers or water courses.

Engineering controls:

In restricted spaces, use effective ventilation, e.g. Local Air Ventilation. Do not permit excessive accumulation of dust in work areas. Best practice is to clean up with a vacuum equipped with a HEPA filter.

Steps to be taken in case material is released or spilled:

If uncontaminated, collect for reuse or disposal. Use a clean up system which does not create dust, e.g. a vacuum equipped with a HEPA filter. If contaminated or not required for reuse, dispose in approved landfill in accordance with local regulations.

Waste Disposal Method:

If uncontaminated, dispose as a non-metallic mineral. If contaminated, use appropriate method for containment with applicable local regulation(s).

Precaution to be taken in handling and storing:

Product should be kept in a dry place. Avoid creation of respirable dust if possible. Protect workers as above. Use effective ventilation and dust collection. Avoid eye and skin contact with wet product during use.

Special shipping information:

NA

VIII. CONTROL/FIRST AID MEASURES/HEALTH PRECAUTION DATA

Respirator Protections:	Use only NIOSH/MSHA - approved respiratory protection for nuisance particles up to 10 times the PEL/TLV. Positive pressure self-contained breathing apparatus should be used for confined space entry and high exposures above the nuisance particulate PEL/TLV.
Ventilation:	Local exhaust/general ventilation to control nuisance dust.
Protective/Work Gloves:	Rubber, latex, vinyl, or other impervious gloves recommended
Eye Protection:	Safety Goggles or glasses with side shields and brow protection Recommended.
Other Protective Clothing or Equipment:	Not required
Work / Hygienic Practices:	Wash to remove dust after use
Eyes:	Flush with tempered water for at least 20 minutes. Obtain medical attention
Skin:	Wash with soap and water. For caustic burns to skin consult a doctor.

Ingestion: Drink large amounts of water. Do not induce vomiting. Seek immediate medical attention.

Gross inhalation of dust: Remove victim to fresh air and administer CPR if necessary.

IX. SPECIAL PRECAUTIONS

Keep out of reach of children. Do not wash down storm or sanitary sewer system. Read and follow all label instructions.

X. REGULATORY DATA

SARA HAZARD CLASS: Acute

SARA 313: NO

SARA 302: NO

CERCLA: TPQ: NO

RCRA: RQ: NO

NFPA HAZARD RATING:

Health: [1]

Fire: [2]

Reactivity: [0]

Special: []

NFPA HAZARD RATING SCALE:

0 = Minimal 3 = Serious

1 = Slight 4 = Severe

2 = Moderate

HMIS CODES:

Health: [1]

Fire: [2]

Reactivity: [0]

HMIS HAZARD RATING SCALE:

0 = Minimal 3 = Serious

1 = Slight 4 = Severe

2 = Moderate

XI. PREPARATION DATE OF MSDS

Prepared by: Conscious Earthworks, LLC

Phone: 503-493-2784

Date: 01/15/08

All information appearing herein is based upon data obtained from the manufacturer and/or recognized technical sources. While the information is believed to be accurate as of the effective date given above, CONSCIOUS EARTHWORKS, LLC makes no representations as to its accuracy or sufficiency. Conditions of use are beyond CONSCIOUS EARTHWORKS' LLC control. Therefore, users are responsible for determining whether under their own operating conditions the product is suitable for their particular use. Users assume all risks of use, handling, and disposal of the product. The publication, use of, or reliance upon information contained herein does not relate to the use of this product in combination with any other material or in any other process.

Furthermore, CONSCIOUS EARTHWORKS' LLC products are sold subject to the following LIMITATION OF LIABILITY AND DISCLAIMER

LIMITATION OF LIABILITY AND DISCLAIMER:

NO WARRANTY OR REPRESENTATION IS MADE, EXPRESS OR IMPLIED, CONCERNING THE RESULTS TO BE OBTAINED FROM THE USE OF THIS PRODUCT IF NOT USED IN ACCORDANCE WITH DIRECTIONS AND/OR GENERALLY ACCEPTED APPLICATION PROCEDURES AND PRECAUTIONS. THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE LIMIT OF LIABILITY OF

CONSCIOUS EARTHWORKS, LLC FOR ANY LOSSES, DAMAGES OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT SHALL BE THE REFUND OF THE PURCHASE PRICE. **CONSCIOUS EARTHWORKS, LLC, EXPRESSLY EXCLUDES AND DISCLAIMS ANY WARRANTIES OF FITNESS FOR ANY PARTICULAR PURPOSE OR USE.**