

bat guano.

1. IDENTIFICATION OF THE SUBSTANCE OR PREPARATION

- 1.1. bat guano
- 1.2. Biologic fertilizer based on Bat droppings
- 1.3. Bertels B.V., Ommelpad 2, 6035 PC, Ospel, tel: +31 (0)495 631 559, fax: +31 (0)495 626 834
- 1.4. In case of emergency: +31 (0)495 631 559

2. COMPOSITION/INFORMATION ON INGREDIENTS

- 2.1. Bat Guano, from different sources
 - 3.0% Total nitrogen
 - 3.0% Organic nitrogen
 - 15.0% Phosphoric acid (P_2O_5)
 - 4.0% Potash (K_2O)
- 2.2. t/m 2.6 do not apply

3. HAZARDS IDENTIFICATION

This product is not classified as a hazardous substance according to EC directives.

4. FIRST AID MEASURES

General	No hazards which require specific first aid measures
Inhalation	Not applicable
Eye contact	Rinse with water
Contact with skin	Rinse with water
Ingestion	Seek medical advice

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Water
Extinguishing media which must not be used	None
Special exposure hazards	None
Special protective equipment for fire-fighters	None

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	None
Environmental precautions	None
Methods for cleaning	Pick up mechanical

7. HANDLING AND STORAGE

7.1. Handling	No special requirements
7.2. Storage	Store dry, protect from direct sunlight
7.3. Specific	None

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Exposure limit values	Not applicable
8.2. Exposure controls	
8.2.1. Occupational exposure controls	
8.2.1.1. Respiratory protection	Not necessary
8.2.1.2. Hand protection	Not necessary
8.2.1.3. Eye protection	Not necessary
8.2.1.4. Skin protection	Not necessary
8.2.2. This product is not hazardous for the environment	

9. PHYSICAL AND CHEMICAL PROPERTIES

Fase	Solid
Colour	Brown
Smell	Soil / Ammonia
Boiling point	Not applicable
Melting point	Not applicable
Auto-ignition temperature	Not applicable
Vapour pressure	Not applicable
Density	650 gram / litre
Solubility	Not applicable
pH	6.7

10. STABILITY AND REACTIVITY

10.1. Conditions to avoid	None
10.2. Materials to avoid	None
10.3. Hazardous decomposition products	None

11. TOXICOLOGICAL INFORMATION

No known significant effects or critical hazards.

12. ECOLOGICAL INFORMATION

The product is not harmful for nature and can be applied in diluted form to improve the fertility of the environment.

12.1. Ecotoxicity	Not poisonous
12.2. Mobility	Not applicable
12.3. Persistence and degradability	100% Biologically degradable
12.4. Bioaccumulative potential	Not applicable
12.5. Other adverse effects	Not applicable

13. DISPOSAL CONSIDERATIONS

Product	Follow regulations of local authorities for agro chemicals
Package	Empty packages are harmless, can be processed according to local regulations

14. TRANSPORT INFORMATION

No danger regarding transport classification for each of the modal regulations: IMDG (sea), ADR (road, Council Directive 94/55/EC(9)), RID (rail, Council Directive 96/49/EC(10)), ICAO/IATA (air) N, ADR/RID/IMO.

15. REGULATORY INFORMATION

Labels are according EC standards	According to EC 2003
R phrases	None
S phrases	None

16. GENERAL INFORMATION

The information in this MSDS is obtained from current and reliable sources. However, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the condition of use, handling, storage and disposal of this product is beyond our control, it's the user's responsibility with regard to safety conditions for use of this product to assume liability for loss, injury, damage or expenses due to improper use of this product.