

SAFETY DATA SHEET

A safety data sheet is not required for this product under US, CAN and EU regulations.
This document is provided on a voluntary basis for information purpose only.

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

- 1.1 Product identifier: MAGNIVA Titanium OU
1.2 Identified use: Premixture of silage additives
1.3 Supplier details: Lallemand Animal Nutrition, NA
6120 W. Douglas Ave, Milwaukee, WI 52318
Tel: 414-464-6440 Email: sds@lallemand.com
1.4 Emergency telephone: Contact your local doctor or hospital.

SECTION 2 – HAZARD IDENTIFICATION

- 2.1 Not classified as hazardous substances under:
- Globally Harmonized System of Classification and Labelling of Chemicals (GHS section 1.5.2).
- Canadian Hazardous Product Act.
- US Occupational Safety and Health Administration (OSHA)
- Regulation 1272/2008/EC (CLP)
2.2 Label elements: None
2.3 Other Hazards: None

SECTION 3 – COMPOSITION

Product composition: Live bacteria
Substance component(s) which may pose a health hazard: none.

SECTION 4 – FIRST AID MEASURES

4.1 Description of First Aid Measures:

General information: Protection of rescue workers: Wear appropriate individual protective equipment (see Section 8).
Transport the affected person into the open air.

Inhalation:In the event of inhalation, take into the open air.

Ingestion:.....Rinse mouth and throat thoroughly with water.

Contact with the skin: ...Wash affected area with soap and water.

Contact with the eyes:....Adequately flush eyes with water.

4.2 Most important symptoms and effects, both acute and delayed:

Eye contact:.....None known

Skin contact:.....None known

Inhalation:Contains micro-organisms. Micro-organisms may have the potential to provoke sensitising reactions.

Ingestion:.....May elicit gastrointestinal disorders.

4.3 Indication of any immediate medical attention and special treatment needed:

None; if any symptom appears seek medical attention.

SECTION 5 – FIRE FIGHTING MEASURES

5.1 Extinguishing media:

Suitable:.....Water, foam, carbon dioxide, dry powder.

Unsuitable:None

5.2 Special hazards arising from the material: None

5.3 Advice to firefighters: Wear a self-contained breathing apparatus (SCBA) when exposed to confined or enclosed fires as product powder could be in the air.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

6.1 Personnel precautions, protective equipment and emergency procedures:

Avoid contact with the eyes, skin and clothing. Use appropriate protective equipment (see Section 8).

6.2 Environmental precautions: None

6.3 Method and materials for clean up:

Small accidental spillage or leak: Avoid the formation of dust or spray. Mop up with appropriate material. Place in an appropriate container. Clean the area affected with water.

Large accidental spillage or leak: Avoid the formation of dust or spray. Prevent spillage into the drains, subsoil or confined areas. Contain if necessary.

6.4 References to other sections:

See Section 8 for personal protective equipment and section 13 for waste disposal.

SECTION 7 – HANDLING AND STORAGE**7.1 Precautions for safe handling:**

Handling:Avoid breathing dust. Avoid contact with eyes.

Occupational hygiene:Wash hands after handling. Do not eat, drink or smoke while working. Store work clothing separately. See also section 4 for recommended equipment.

7.2 Conditions for safe storage, including any incompatibilities:

Risks:Not at risk for corrosion, fire, explosion, or chemical reaction.

Place of storage:No special instruction to minimize risks (see above).

Store according to label directions to maintain label guarantees.

Incompatible materials:No known incompatibilities.

Fire/explosion protection:None needed

7.3 Specific end use:Premixture of silage additives

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION**8.1 Control parameters:**

Exposure limits:No limit

Biological limits:No limit

8.2 Exposure controls:

Engineering:None

Eye/face protection:Recommended to wear protective glasses in conditions of excessive dusting.

Skin protection:Hand: None

Other: None. Wear appropriate clothing for work.

Respiratory protection:None except if ventilation is not sufficient.

Thermal protection:None

Environmental exposure:None

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties:**

Appearance:Light tan colored powder

Odour:Not applicable

Odour threshold:Not relevant

pH:Not relevant

Melting point/Freezing point:Not relevant

Initial boiling point and boiling range:Not applicable, product is a solid

Flash point:Not relevant

Evaporation rate:Not applicable, product is a solid

Flammability (solid, gas):Not flammable

Upper/lower flammability or explosive limits:Not relevant

Vapour pressure:Not applicable, product is a solid

Vapour density:Not applicable, product is a solid

Relative density:Not relevant

Solubility:Partially soluble

Partition coefficient (n-octanol/water):Not relevant

Auto-ignition temperature:Not relevant

Decomposition temperature:Not relevant

Viscosity:Not applicable, product is a solid

Explosive properties:Not relevant

Oxidising properties:Not relevant

9.2 Other information: None

SECTION 10 – STABILITY AND REACTIVITY

- 10.1 Reactivity:Not reactive
10.2 Chemical stability:Stable
10.3 Possibility of hazardous reactions:None
10.4 Conditions to avoid:None
10.5 Incompatible materials:See section 7
10.6 Hazardous decomposition products:None

SECTION 11 – TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects:**

- Acute toxicity:No known effects
Skin corrosion/irritation:Not expected to be skin irritant
Serious eye damage/irritation:Not expected to be eye irritant
Respiratory /Skin sensitization:Contains micro-organisms. Micro-organisms may have the potential to provoke sensitising reactions.
Germ cell mutagenicityNo information available
CarcinogenicityNo information available
Reproductive toxicityNo information available
STOT-single exposureNo information available
STOT-repeated exposureNo information available
Aspiration hazardNo information available

SECTION 12 – ECOLOGICAL INFORMATION

- 12.1 Toxicity:No known effects.
12.2 Persistence and degradability:Most ingredients of the product are assumed to be readily biodegradable. Hence it is not expected to persist in the environment.
12.3 Bioaccumulative potential:No risk of bioaccumulation expected.
12.4 Mobility in soil:No information available
12.5 Results of PBT and vPvB assessment:Not considered to be a PBT and vPvB substance.
12.6 Other adverse effects:No adverse effects reported

SECTION 13 – DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods:**

No special disposal method recommended. Follow all applicable local laws for recycling, bagging, and disposal of trash.

SECTION 14 – TRANSPORT INFORMATION

- 14.1 UN Number:Not relevant
14.2 UN proper shipping name:Not relevant
14.3 Transportation hazard class:Not classified as dangerous
14.4 Packing group:Not relevant
14.5 Environmental hazards:None
14.6 Special precautions:None
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code: Not relevant

SECTION 15 – REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**

The format and content of this voluntary safety data sheet is based on regulations requirements. Accordingly, some information may not be included because it is not relevant for this type of product.

15.2 Chemical safety assessment:

No specific chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16 – OTHER INFORMATION

Disclaimer: The information, data and recommendations contained in this SDS are provided in good faith, obtained from reliable sources, and believed to be true and accurate as of the date of revision. The SDS serves as description of the products in regard to necessary safety measures. No warranty, expressed or implied, regarding the product described in this SDS shall be created or inferred by any statement in this SDS.

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