

Safety Data Sheet

Issuing date: 03/21/2019

Revised: 07/24/2020

Version: 2.0

1. Product and company identification

- a. **Product Name:** LactiproFLX®
- b. **Manufacturer:** MS Biotec, LLC, 1300 Kaw Valley Road, Wamego, KS 66547, USA. Telephone: 785.456.1388 Fax: 877.334.9481
- c. **Emergency Phone Number:** 785.456.1388
- d. **Intended use:** Direct-fed microbial supplement for cattle during intensive feeding.
- e. **Restrictions on Use:** For cattle only. NOT FOR HUMAN CONSUMPTION.

2. Hazards identification

Naturally occurring volatile and non-volatile fatty acids contained in the product may cause skin irritation upon long term exposure to the skin.

3. Composition/information on ingredients

a. Description:

LactiproFLX contains a blend of Maltodextrin, Sugar, and Dried *Megasphaera elsdenii* (strain NCIMB 41125; a bacteria) fermentation product in a gelatin capsule.

Megasphaera elsdenii strain NCIMB 41125 is a naturally occurring microorganism isolated from the rumen of cattle.

LactiproFLX has a label guarantee of a minimum concentration of:

- Feedlot: 1×10^{10} colony forming units of *Megasphaera elsdenii*/capsule
- Dairy: 2×10^{10} colony forming units of *Megasphaera elsdenii*/capsule
- Calf: 5×10^9 colony forming units of *Megasphaera elsdenii*/capsule

b. **Hazardous ingredients:** Not applicable.

4. First aid measures

- a. **Skin contact:** If contact occurs, wash affected area with soap and water and rinse thoroughly.
- b. **Eye contact:** If contact occurs, flush eye(s) with water.
- c. **Inhalation:** If inhalation occurs, remove person to fresh air.
- d. **Ingestion:** Drink 16 oz of water and seek medical attention.
- e. **If any irritation persists, seek medical attention.**

5. Fire-fighting measure

- a. **Conditions of flammability:** Not applicable.
- b. **Flash point:** Not applicable.
- c. **Flammable limits:** Not applicable.

- d. **Auto-ignition temperature:** Not applicable.
- e. **Hazardous combustion products:** Not applicable.
- f. **Extinguishing media:** In case of fire in the surroundings, water and any fire extinguisher can be used on product.

6. Accidental release measures

- a. **Precautions:** Wear respiratory protection when dust exposure is high. Waste can be mechanically collected in a suitable container.
- b. **Methods for cleaning up:** Spillage should be moistened and washed with 1% bleach solution.

7. Handling and storage

- a. **Handling:** Do not ingest. No other precaution required under normal conditions of use.
- b. **Storage:** Store at 4°C ± 2.

8. Exposure Controls; Personal protection

- a. **Respiratory protection:** None required under normal conditions of use.
- b. **Eye contact:** Wear safety glasses.
- c. **Skin contact:** Wear standard rubber gloves.

9. Physical and chemical properties

- a. **Appearance:** Pale yellow powder with acetic acid (vinegar) smell.
- b. **pH:** 5.8-6.4 in water
- c. **Melting/Freezing/boiling:** Substantially equivalent to water.

10. Stability and reactivity

- a. **Stability:** *Megasphaera elsdenii* organisms remain alive for 12 months (until expiration date) under recommended storage conditions. Product expiration does not change the stability of packaging.
- b. **Materials and conditions to avoid:** None known
- c. **Hazardous decomposition:** None known

11. Toxicological information

- a. **Skin contact:** Irritation on extended contact
- b. **Eye contact:** Irritation on eye contact
- c. **Inhalation:** Irritation may occur.
- d. **Ingestion:** May result in nausea
- e. **Delayed or Chronic Effects:** None known.

12. Ecological information

- a. **Ecology:** Environmental effect negligible. The product is degraded by the environment with no known effect on any living organisms in water and soil.

13. Disposal procedures

- a. **Water disposal ecology:** Readily degraded by the environment, wash with water. No special disposal method required, except that it be in accordance with current regional, national, and local laws and regulations.

14. Transportation information

- a. **Transportation:** Not classified by transport regulations.

15. Regulatory information

- a. **Labeling:** Microbial supplement for feedlot cattle, dairy and beef cows and calves containing a source of live (viable) naturally occurring microorganisms.
- b. **Hazard labeling:** None required.

16. Other information

The statements contained herein are based on currently available data as of the date above and are believed to be correct. Users should consider these data only as a supplement to other information gathered by them and should make independent determinations on suitability and completeness of information from all sources to assure proper use, storage, and disposal of these materials and the safety and health of employees and the protection of the environment. No warranty, express or implied, is made regarding data accuracy, merchantability or hazards associated with product use.

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1. Product and company identification

- a. **Product Name:** LactiproNXT®
- b. **Manufacturer:** MS Biotec, LLC, 1300 Kaw Valley Road, Wamego, KS 66547, USA. Telephone: 785.456.1388 Fax: 877.334.9481
- c. **Emergency Phone Number:** 785.456.1388
- d. **Intended use:** Direct-fed microbial supplement for cattle during intensive feeding.
- e. **Restrictions on Use:** For cattle only. NOT FOR HUMAN CONSUMPTION.

2. Hazards identification

After rehydration, naturally occurring volatile and non-volatile fatty acids contained in the product may cause skin irritation upon long term exposure to the skin.

3. Composition/information on ingredients

a. Description:

LactiproNXT is an oral drench (a liquid, once rehydrated) containing Water, Maltodextrin, Sugar, Dried *Megasphaera elsdenii* (strain NCIMB 41125; a bacteria) Fermentation Product, Sodium Phosphate, Sodium Chloride.

Megasphaera elsdenii strain NCIMB 41125 is a naturally occurring microorganism isolated from the rumen of cattle.

LactiproNXT has a label guarantee of a minimum concentration of:

- 5×10^8 colony forming units of *Megasphaera elsdenii* strain/mL once rehydrated.

b. **Hazardous ingredients:** Not applicable.

4. First aid measures

- a. **Skin contact:** Wash affected area with soap and water and rinse thoroughly.
- b. **Eye contact:** Flush eye(s) with water.
- c. **Inhalation:** If inhalation occurs, remove person to fresh air.
- d. **Ingestion:** Drink 16 oz of water and seek medical attention.
- e. **If any irritation persists, seek medical attention.**

5. Fire-fighting measure

- a. **Conditions of flammability:** Not applicable.
- b. **Flash point:** Not applicable.
- c. **Flammable limits:** Not applicable.
- d. **Auto-ignition temperature:** Not applicable.
- e. **Hazardous combustion products:** Not applicable.

- f. **Extinguishing media:** In case of fire in the surroundings, water and any fire extinguisher can be used on product.

6. Accidental release measures

- a. **Precautions:** Wear respiratory protection when dust exposure is high. Waste can be mechanically collected in a suitable container.
- b. **Methods for cleaning up:** Spillage should be moistened and washed with 1% bleach solution.

7. Handling and storage

- a. **Handling:** Do not ingest. No other precaution required under normal conditions of use.
- b. **Storage:** Store at 4°C ± 2.

8. Exposure Controls; Personal protection

- a. **Respiratory protection:** None required under normal conditions of use.
- b. **Eye contact:** Wear safety glasses.
- c. **Skin contact:** Wear standard rubber gloves.

9. Physical and chemical properties

- a. **Appearance:** Pale yellow powder with acetic acid (vinegar) smell.
- b. **pH:** 5.8-6.4 once rehydrated
- c. **Melting/Freezing/boiling:** Substantially equivalent to water.

10. Stability and reactivity

- a. **Stability:** *Megasphaera elsdenii* organisms remain alive for 12 months (until expiration date) under recommended storage conditions. Product expiration does not change the stability of packaging.
- b. **Materials and conditions to avoid:** None known
- c. **Hazardous decomposition:** None known

11. Toxicological information

- a. **Skin contact:** Irritation on extended contact
- b. **Eye contact:** Irritation on eye contact
- c. **Inhalation:** Irritation may occur.
- d. **Ingestion:** May result in nausea
- e. **Delayed or Chronic Effects:** None known.

12. Ecological information

- a. **Ecology:** Environmental effect negligible. The product is degraded by the environment with no known effect on any living organisms in water and soil.

13. Disposal procedures

- a. **Water disposal ecology:** Readily degraded by the environment, wash with water. No special disposal method required, except that it be in accordance with current regional, national, and local laws and regulations.

14. Transportation information

- a. **Transportation:** Not classified by transport regulations.

15. Regulatory information

- a. **Labeling:** Microbial supplement for feedlot cattle, dairy and beef cows and calves containing a source of live (viable) naturally occurring microorganisms.
- b. **Hazard labeling:** None required.

16. Other information

The statements contained herein are based on currently available data as of the date above and are believed to be correct. Users should consider these data only as a supplement to other information gathered by them and should make independent determinations on suitability and completeness of information from all sources to assure proper use, storage, and disposal of these materials and the safety and health of employees and the protection of the environment. No warranty, express or implied, is made regarding data accuracy, merchantability or hazards associated with product use.