

Hostazym X 100

MATERIAL SAFETY DATA SHEET

Revised September 2010

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1. **IDENTIFICATION OF SUBSTANCE**

Product Details

- Trade Name: **Hostazym X 100**
- Product Number: 2140
- Manufacturer: BIOVET JSC
39, Petar Rakov Str.
4550 Peshtera
Bulgaria
- Supplier: Huvepharma Inc.
3360 Maury Avenue
St. Louis, MO 63116

2. **COMPOSITION / DATA ON COMPONENTS**

Chemical Characterization

Endo-1,4-beta-Xylanase (main enzymatic activity)
CAS-number: 9025-57-4
EINECS-number: 232-800-2

3. **HAZARDS IDENTIFICATION**

- Xn Harmful
- May cause sensitization by inhalation.

4. **FIRST AID MEASURES**

- **After Inhalation:** When spray fog inhaled, seek medical advice and show the physician the packing or the packing label.
- **After skin contact:** In case of contact with skin wash off with water.
- **After eye contact:** In case of contact with eyes rinse immediately for at least 15 minutes with plenty of water.
- **After swallowing:** No special measures necessary. Rinse mouth thoroughly with water.
- **General information:** Change soaked clothing. Remove clothing where dust collected.

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5. **FIRE FIGHTING MEASURES**

- **Extinguishing Methods:** Water, foam.

6. **ACCIDENTAL RELEASE MEASURES**

- **Personal Precautions:** Avoid dust formulation. Use personal protective clothing.
- **Methods for cleaning up/taking up:** Clean equipment with vacuum cleaner. Avoid raising dust. Clean contaminated floors and objects thoroughly, observing environmental regulations. When picked up, treat material as prescribed under heading 'Disposal'.

7. **HANDLING AND STORAGE**

Handling Precautions

- Avoid the formation and deposition of dust.
- Provide exhaust ventilation if dust is formed.
- Avoid formulation of aerosols .

Protection Against Fire and Explosion

- Take precautionary measures against electrostatic loading.
- Avoid formation of dust.
- Observe the general rules of industrial fire protection.

Storage

- Keep only in the original container.
- Keep container tightly closed, cool and dry.

8. **EXPOSURE CONTROLS AND PERSONAL PROTECTION**

Personal Protective Equipment

- **General protective measures**
 - Do not inhale dust.
 - Do not inhale aerosols.
 - Avoid contact with eyes and skin.
- **Hygienic measures**
 - Do not eat, drink or smoke during work time.
 - Keep away from foodstuffs and beverages.
 - After worktime and during work intervals the affected skin areas must be thoroughly cleaned.

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8.	<u>EXPOSURE CONTROLS AND PERSONAL PROTECTION</u> (contd) <ul style="list-style-type: none">▪ Respiratory protection: Particle filter half mask, filter P1▪ Hand protection: Rubber gloves▪ Eye protection: Safety glasses with side protective shield▪ Skin protection: Protective clothing
9.	<u>PHYSICAL AND CHEMICAL PROPERTIES</u> <ul style="list-style-type: none">▪ Form: Granules▪ Color: white to beige▪ Odor: characteristic▪ Solubility in water: Soluble▪ pH value: 5 to 7 at 1 g/l
10.	<u>STABILITY AND REACTIVITY</u>
11.	<u>TOXICOLOGICAL INFORMATION</u> <ul style="list-style-type: none">▪ Acute oral toxicity<ul style="list-style-type: none">○ LD50 > 2000 mg/kg○ Species: rat○ Remarks: The information refers to the purified fermentation product.
12.	<u>ECOLOGICAL INFORMATION – ECOTOXOLOGICAL EFFECTS</u>
13.	<u>DISPOSAL CONSIDERATIONS</u> <p>Dispose of in accordance with local authority regulations.</p>



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14. TRANSPORT INFORMATION

Road transport

ADR; Non-hazardous goods

Rail transport

RID; Non-hazardous goods

Inland waterways transport

ADNR; Non-hazardous goods

Marine transport

IMDG/UN; Non-hazardous goods

Air transport

ICAO/IATA-DGR; Non-hazardous goods

15. REGULATIONS

Labeling in accordance with GefStoffV/EC

hazard warning labeling compulsory

Hazard symbols

Xn Harmful

R phrases

42 May cause sensitization by inhalation.

S phrases

22 Do not breathe dust.

23.4 Do not breathe spray.

16. OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Contact: Huvepharma, Inc. 770-486-7212