

Safety Data Sheet



Form: Powder

Section 1: Chemical Product and Company Information

Product Identifier: LACTASE 10,000 ONPG
Other Identifier: None
Recommended Use: Food Grade, Dietary Supplement
Supplier Information: Bio-Cat Inc.
9117 Three Notch Road
Troy, Virginia 22974
(p) 434-589-3329 (f) 434-589-3301
info@bio-cat.com www.bio-cat.com
Emergency Phone: 434-589-4777 8am – 4pm EST

Section 2: Hazards Identification

Hazard Class: Skin Irritant Category 3
Eye Irritant Category 2B
Respiratory Sensitizer
Signal Word: WARNING!
Hazard Statement: May cause mild eye irritation. May cause mild skin irritation. Inhalation of enzyme mist may cause allergic reactions, including asthmatic bronchitis, in susceptible individuals on repeated exposure.
Precautionary Statement: Do not breathe dust. Do not get on skin or clothing. Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling. Do not ingest.
Hazard Symbol: Exclamation mark!

Section 3: Composition/ Information on Ingredients

Name: Lactase	CAS Number: 9031-11-2	% by weight: 9.0 – 14.0%
Name: Maltodextrin (Waxy Maize)	CAS Number: 9050-36-6	% by weight: 86.0 – 91.0%

Section 4: First Aid Measures

Inhalation: If inhaled remove from contaminated area to fresh air. Report the situation. Seek medical attention if allergic response is exhibited.
Eye Contact: In case of contact with eyes, flush eyes with low pressure water for at least 15 minutes. If irritation develops, seek medical attention.
Skin Contact: In case of contact with skin, wash skin with soap and water. Remove contaminated clothing and wash.
Ingestion: If swallowed, rinse mouth and throat thoroughly with tap water. Drink water.

Section 5: Fire Fighting Measures

Fire Fighting Extinguishing Media: Water, foam, dry chemical, carbon dioxide
Fire Fighting Chemical Hazards: May cause allergic respiratory reaction
Fire Fighting Protective Actions: Not Available

Section 6: Accidental Release Measures

For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering area. Do not touch or walk through spilled material. Avoid breathing dust. Provide adequate ventilation. Wear respirator when necessary and appropriate protective equipment. (See section 8).

For emergency personnel: Fire Fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face piece operated in positive pressure mode.

Environmental precautions: Avoid dispersal of spilled material.

Containment: Spilled product should be removed immediately to avoid formation of dust. Vacuum or moisten with water and collect into a sealable container for disposal. Flush spill area with plenty of water (low pressure) into approved sewer. Avoid formation of aerosols and dusts. Ensure sufficient ventilation. Wash contaminated clothing.

Section 7: Handling and Storage

Safe Handling: Never handle powder without appropriate personal protective equipments in accordance with Section 8. Avoid formation of dust. Avoid splashing and high pressure washing. Ensure good ventilation of the room when handling this product.

Storage: Store container in a dry, cool place.

Hygiene: Maintain good conditions of industrial hygiene.

Section 8: Exposure Controls/ Personal Protection

Occupational exposure limits:	Not available
Biological limit values:	Not Available
Appropriate engineering controls:	Adequate ventilation required for dusty conditions.
Eye/face protective equipment:	Wear protective glasses or eye shield.
Skin protection:	Impermeable gloves recommended.
Respiratory Protection:	None required under usual condition of use. However, if exposure potential exists, refer to NIOSH Criteria Guides to determine appropriate unit.

Section 9: Physical and Chemical Properties

Appearance:	Light Tan Powder
Odor:	Characteristic enzyme odor
Odor Threshold:	Not available
pH:	Not available
Melting point/freezing point:	Not available
Initial boiling point and boiling range:	Not available
Flash point:	Not available
Evaporation rate:	Not available
Flammability (solid, gas):	Not available
Upper/lower flammability or explosive limits:	Not available
Vapor Pressure:	Not available
Vapor Density:	Not available
Relative Density:	Not available
Solubility:	Soluble
Partition coefficient: n-octanol/water:	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	Not available

Section 10: Stability and Reactivity

Chemical Stability:	Stable
Hazardous reactions:	Not available
Conditions to avoid:	Not available
Incompatible materials:	Not available
Hazardous Decomposition Products:	Not available

Section 11: Toxicological Information

Acute toxicity:	Not available
Skin corrosion/irritation:	Skin Irritant Category 3
Serious eye damage/irritation:	Eye Irritant Category 2B
Respiratory or skin sensitization:	Respiratory sensitizer, Skin sensitizer
Germ cell mutagenicity:	Not available
Carcinogenicity:	Not classified as a carcinogen by IARC, OSHA, or NTP
Reproductive toxicity:	Not expected to produce reproductive toxicity
Aspiration hazard:	Not available

Section 12: Ecological Information

Ecotoxicity: Not available.
Persistence and degradability: Product is readily biodegradable.
Bioaccumulative potential: Not available.
Mobility in soil: Not available.
Other adverse effects: Not available.

Section 13: Disposal Considerations

No special disposal method required, except that in accordance with current local authority regulations.

Section 14: Transport Information

UN Number: Not classified
UN Proper Shipping Name: Not classified
Transportation Hazard Class: Not classified
Packing Group: Not classified
Transport Environmental Hazard: Not classified
Transport Special Precautions: Not classified
MARPOL: Not classified

Section 15: Regulatory Information

The active ingredient and all components of the enzyme preparation are listed on the TSCA Inventory.

Section 16: Other Information

Revision History: **Effective Date:** December 2010 **Supersedes:** First Issue **GHS FORMAT**

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