

Safety Data Sheet

Section 1 - Chemical Product and Company Identification

Product Name: BEX 10,000

Other Identifier:

Recommended Use: Animal Feed Additive

Form: Powder

Supplier Identification: American Biosystems, Inc.

345 Luck Avenue Roanoke, VA 24016

(p) 540-344-6469, 888-344-6469

(f) 540-301-6451

Website: www.americanbiosystems.com

Email: ambio@usa.net

Emergency Number: 888-344-6469, 9 am to 5 pm EST

Section 2 – Hazards Identification

Hazard Class: Category 1: Respiratory Sensitizer

Signal Word: Danger

Hazard Statement: H334 May cause allergy or asthma or breathing difficulties if inhaled

Precautionary Statement: Prevention

P261 – Avoid breathing dust/fume/gas/mist/vapors/spray

P285- in case of inadequate ventilation, wear respiratory protection

Precautionary Statement: Response

P304 + P341- IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for

breathing

P342+ P311- If experiencing respiratory symptoms, call a Poison Control Center or physician.

Hazard Symbol:



Section 3 - Composition/Information on Ingredients

CAS#	Chemical Name	EINECS/ELINCS	IUB	% by weight
9012-54-8	Cellulase	232-734-4	3.2.1.4	< 0.2%
9025-57-4	Xylanase	232-800-2	3.2.1.8	< 0.1%
9000-90-2	Alpha amylase	232-565-6	3.2.1.1	< 0.1%

Other components: remaining components of this product are proprietary, non hazardous and/or are present at concentrations below reportable limits.



Section 4 - First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and

lower evelids: get medical aid.

Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated

clothing and shoes. Wash clothing before reuse.

Ingestion: Never give anything by mouth to an unconscious person. Get medical aid immediately. Do NOT induce

vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of water.

Inhalation: Get medical aid immediately. Remove from exposure and move to fresh air immediately. If not breathing,

give artificial respiration. If breathing is difficult, give oxygen.

<u>Section 5</u> – Fire Fighting Measures

Fire Fighting Extinguishing media: Water, foam, chemical and carbon dioxide

Fire Fighting Chemical Hazards: May cause allergic respiratory reaction

Fire Fighting Protective Actions: Not available

<u>Section 6</u> - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Contact emergency personnel and keep unprotected personnel from entering area. Provide sufficient ventilation and remove contaminated clothing. Do not walk through spilled material. Avoid breathing dust.

Environmental precautions: Removal by mechanical means (ie vacuuming with HEPA filters) is preferred. Solid can be placed in sealed containers for disposal. Dilute remainder with plenty of water avoiding the formation of aerosols and flush to an approved drain according to local guidelines.

Methods and material for containment and cleaning up: Remove spilled material immediately to reduce the formation of dust using mechanical means (ie vacuuming with HEPA filters) is preferred. Solid can be placed in sealed containers for disposal. Dilute remainder with plenty of water avoiding the formation of aerosols and flush to an approved drain according to local guidelines.

<u>Section 7</u> - Handling and Storage

Precautions for safe handling: Segregate from acids, peroxides, and combustible organic materials or easily oxidizible materials. Keep from freezing. Protect against physical damage. Keep away from heat and flame.

Conditions for safe storage including any incompatibilities: Keep away from heat and flame. Store in a cool dry area in closed original containers.

Hygiene: not specified

<u>Section 8</u> - Exposure Controls/Personal Protection



Occupational exposure limits: None established Biological limit values: None established

Appropriate engineering controls: Dust control and adequate ventilation

Eve/face protective equipment: Protective glasses

Skin protection: Protective gloves **Respiratory protection:** Dust mask

Section 9 - Physical and Chemical Properties

Physical State: Solid

Appearance: White free flowing powder

Odor: Fermentation odor Odor threshold: Not established :Ha Not established Freezing/Melting Point: Not established. Initial boiling point and boiling range: Not available. Flash Point: Not available. **Evaporation Rate:** Not available. Flammability: Not available Upper/lower flammability or exposure limits: Not available **Vapor Pressure:** Not available. Vapor Density: Not available **Relative Density:** Not established

Partial coefficient: n-octanol/water:

Auto-ignition temperature:

Decomposition temperature:

Viscosity:

Explosive properties:

Oxidizing properties:

Not available
Not available
Not available
Not available

Other Information: No additional information.

Section 10 - Stability and Reactivity

Solubility:

Chemical Stability: Stable.

Hazardous Reactions:None identifiedConditions to Avoid:None knownIncompatible materials:None known

Hazardous decomposition products: None

Section 11 - Toxicological Information

Acute toxicity: Ingestion of this material is not known to result in adverse effects. No specific data available

Skin Corrosion/irritation: this material may be a mild skin irritant.

Serious eye damage/irritation: overexposure to the eye is characterized by irritation

Respiratory or skin sensitization: overexposure by inhalation may cause sensitization and allergic response in

Dispersible in water

hypersensitive individuals; not a skin sensitizer



Germ cell mutagenicity: Not available.

Carcinogenicity: Not listed by IARC, OSHA, or NTP

Reproductive toxicity: No data available **Aspiration hazard:** see respiratory sensitization

Section 12 - Ecological Information

Ecotoxicity: No specific data available

Persistence and degradability: No specific data; components are considered to be biodegradable.

Bioaccumulation potential: No specific data available; components considered to be biodegradable will not

bioaccumulate.

Mobility in soil: No data available

Results of PBT and vPvB assessment: No specific data available; the substance does not meet the criteria for

characterization as either PBT or vPvB Other adverse effects: None known

Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

Section 14 - Transport Information

UN Number: None assigned; the substance is not classified as hazardous for transport.

UN Proper Shipping Name: Not applicable. **Transport Hazard classes:** Not applicable.

Packing Group: Not applicable.

Transport Environmental Hazards: The substance is not classified as hazardous for transport. **Transport Special Precautions for User:** The substance is not classified as hazardous for transport.

Transport in Bulk (MARPOL): The substance is not classified as hazardous for transport.

Section 15 - Regulatory Information

HMIS Hazards Ratings: Health 1

Flammability 0 Reactivity 0

Personal Protection: E

Section 16 - Additional Information

SDS Creation Date: 03/25/2015 **SDS Review Date:** 05/23/2016

The information contained in this Safety Data Sheet, as of the issue date, is believed to be true and correct. Accuracy or completeness of this information and any recommendations or suggestions are made without warranty or guarantee. Since the conditions of use are beyond the control of the company, it is the responsibility of the user to determine the conditions of safe use of this product. This information does not represent analytical specifications.