SECTION 1 Identification of the Substance and of the Company

1.1. Product identifier
   - Product numbers: E-BG02, E-BG02-200, E-BG02-20
   - Product name: Beta-(1-3,4,6)-Galactosidase
   - Synonyms: β-D-Galactoside galactohydrolase, β-D-Galactopyranosidase, β-Lactosidase

1.2. Relevant identified uses of the substance or mixture and uses advised against
   - Laboratory chemicals
   - For research use only. Not intended for human or animal diagnostic or therapeutic uses
   - or used in the manufacture of food or pharmaceutical products

1.3. Details of the supplier of the safety data sheet
   - QA-Bio, Inc - 128 Vista Monte - Palm Desert, CA 92260
   - Tel: +1 760-565-3057 or +1 866-384-2272
   - Email: safety@qa-bio.com, Website: www.QA-Bio.com

1.4. Emergency telephone number
   - Tel: +1 760-565-3057 or +1 866-384-2272

Section 2 Hazards Identification

2.1. Classification of the substance or mixture
   - This product is considered not hazardous according to the Globally Harmonized System.

2.2. Label elements
   - None

2.3. Other hazards
   - No information available

Section 3 Composition of the Material

3.1. Substances
   - Purified protein in a non-hazardous buffer solution in a 0.5 ml polypropylene vial

3.2. Mixtures
   - The product does not contain any substances considered to be hazardous to health at their given concentration.

Section 4 First Aid Measures

In case of contact:
   - Eyes: irrigate with plenty of water.
   - Skin: wash with soap and water.
   - Ingestion: drink plenty of water.
   - Inhalation: move to a well ventilated area and clear nose and throat.
Section 5 Firefighting Measures
5.1. Extinguishing media
Non hazardous. Water spray or appropriate foam according to surrounding fire conditions.

5.2. Special hazards arising from the substance or mixture
No information available

5.3. Advice for firefighters
No special advice

Section 6 Accidental Release Measures
6.1. Personal precautions, protective equipment and emergency procedures
No special measures required.

6.2. Environmental precautions
Dilute with water,

6.3. Methods and material for containment and cleaning up
Wash spill site with copious amounts of water. Absorb with liquid-binding material.

6.4. Reference to other sections
Safe handling see Section 7
Disposal information see section 13

Section 7 Handling and storage
7.1. Precautions for safe handling
No special measures required. Handle in accordance with Good Laboratory Practice.

7.2. Conditions for safe storage, including any incompatibilities
Store at 4°C

7.3. Specific end use(s)
No further information available

SECTION 8: Exposure controls/personal protection
8.1. Control parameters
Wear appropriate protective clothing (safety spectacles, gloves, laboratory coat) in accordance with Good Laboratory Practice.

8.2. Exposure controls
No special measures required.

Section 9 Physical and chemical properties
9.1. Information on basic physical and chemical properties
Form: Fluid
Color: Colorless
Odor: Not determined
Odor threshold: Not determined
pH-value at 20 °C (68 °F): See product specsheet
Change in condition
Melting point/Melting range: Undetermined
Boiling point/Boiling range: 100 °C (212 °F)
Flash point: Not applicable
Flammability: Not applicable
Ignition temperature: Not determined
 Decomposition temperature: Not determined
Auto igniting: Product is not selfigniting.
Explosion danger: Product does not present an explosion hazard.
Explosion limits:
  Lower: Not determined
  Upper: Not determined
Vapor pressure: Not determined
Density: Not determined.
Relative density Not determined
Vapor density Not determined
Evaporation rate Not determined
Solubility /Miscibility in Water: Fully miscible
Partition coefficient (n-octanol/water) Not determined
Viscosity:
  Dynamic: Not determined
  Kinematic: Not determined
Organic solvents: 0.0 %
Water: 99.3 %
Solids content: 0.7 %

9.2. Other information
No other information available

Section 10 Stability and reactivity
10.1. Reactivity
Stable under recommended storage temperatures.

10.2. Chemical stability
Stable under recommended storage temperatures.

10.3. Possibility of hazardous reactions
No dangerous reactions known

10.4. Conditions to avoid
None determined

10.5. Incompatible materials
None determined

10.6. Hazardous decomposition products
None determined

Section 11 Toxilogical information
11.1. Information on toxicological effects
Inhalation May cause irritation of respiratory tract.
Eye contact Redness. May cause slight irritation.
Skin contact Prolonged contact may cause redness and irritation.
Ingestion May cause slight irritation
Skin corrosion/irritation Mild
Serious eye damage/irritation Mild
Irritation Mild
Corrosivity Mild
Sensitization
  Skin No information available
  Respiratory No information available
  Germ cell mutagenicity No information available
  Carcinogenicity No information available
Reproductive toxicity  No information available
Developmental toxicity  No information available
Teratogenicity  No information available
STOT-single exposure  No information available
STOT-repeated exposure  No information available
Chronic toxicity  No information available
Subchronic toxicity  No information available
Neurological effects  No information available
Other adverse effects  No information available
Aspiration hazard  No information available

Section 12 Ecological information
12.1. Toxicity
No data available.
12.2. Persistence and degradability
No data available.
12.3. Bioaccumulative potential
No data available.
12.4. Mobility in soil
No data available.
12.5. Results of PBT and vPvB assessment
No data available.
12.6. Other adverse effects
No data available.

Section 13 Disposal considerations
13.1. Waste treatment methods
No special requirements. Dispose of according to local requirements.

Section 14 Transport information
14.1. UN number
Not hazardous for transport
14.2. UN proper shipping name
None
14.3. Transport hazard class(es)
None
14.4. Packing group
None
14.5. Environmental hazards
No data available
14.6. Special precautions for user
Not applicable
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not applicable
Section 15 Regulatory information
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
   No ingredients are listed.
15.2. Chemical safety assessment
   No chemical safety assessment

Section 16 Other Information
16.1 Statement information
   This document includes information that is believed to be correct based upon currently available knowledge.
   It is not all-inclusive and does not represent the sum total of information known about the material described herein.

16.2. Date of the latest revision of the SDS
   revised on May 18, 2018