



Safety Data Sheet Alpha Galactosidase

Document Type AGHS - OSHA GHS
Version 2.3
revised on Jul 18, 2018

SECTION 1 Identification of the Substance and of the Company

1.1. Product identifier

Product numbers E-AG02, E-AG02-20, E-AG02-200
Product name Alpha Galactosidase
Synonyms Not applicable

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.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 Toxicological 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 assesment

Section 16 Other Information

16.1 Statement information

This document includes information that is believed to be correct based upon currently avaiable 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 Jul 18, 2018



Safety Data Sheet

Buffer 6.0

Document Type AGHS - OSHA GHS

Version 2.3

revised on Jul 18, 2018

SECTION 1 Identification of the Substance and of the Company

1.1. Product identifier

Product numbers E-BG07, E-BG07-200, E-BG07-20
E-S001, E-S001-200, E-S001-20
E-S005, E-S005-200, E-S005-20
E-S007, E-S007-200, E-S007-20

Product name Buffer 4.0

Synonyms Not applicable

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

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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

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
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| 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

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10.1. Reactivity

Stable under recommended storage temperatures.

10.2. Chemical stability

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10.3. Possibility of hazardous reactions

No dangerous reactions known

10.4. Conditions to avoid

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10.5. Incompatible materials

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10.6. Hazardous decomposition products

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| Serious eye damage/irritation | Mild |
| Irritation | Mild |
| Corrosivity | Mild |
| Sensitization | |
| Skin | No information available |
| Respiratory | No information available |
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| Aspiration hazard | No information available |

Section 12 Ecological information

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- 12.2. Persistence and degradability
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- 12.3. Bioaccumulative potential
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- 12.4. Mobility in soil
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- 12.5. Results of PBT and vPvB assessment
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- 12.6. Other adverse effects
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- 13.1. Waste treatment methods
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Section 14 Transport information

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- 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
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