

# SDS- SAFETY DATA SHEET

## Enzyme Blend #04041600 (BSG Amylase)

### 1. Identification

**Product Name:** BSG Amylase (EB# 04041600)

**Synonyms:** no information available

**Recommended use:** Food additive

**Uses advised against:** no information available

**Company**

Equichem International, Inc.  
510 Tower Boulevard  
Carol Stream, IL 60188  
Tel: 630.784.0432  
Fax: 630.784.0436

**Emergency Telephone Number**

Inside USA: 630.784.0432

### 2. Hazard(s) identification

**2.1 Classification:**

**GHS-US classification-** Eye irritant

**2.2 Label elements:**

**GHS-US labelling-** Not applicable

**2.3 Other Hazards:**

May cause eye, skin, and respiratory tract irritation.

### 3. Composition / Information on Ingredients

Component	CAS-No.	Weight %
Dextrose	5996-10-1	96%
Alpha-Amylase	9001-19-8	4%

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### 4. First-aid Measures

<b>Eye Contact:</b>	Rinse immediately with plenty of water, also under eyelids for at least 15 minutes. Obtain medical attention.
<b>Skin Contact:</b>	Wash off immediately with plenty of water for at least 15 minutes. Obtain medical attention immediately if symptoms occur.
<b>Inhalation:</b>	Seek fresh air. If breathing is difficult, obtain oxygen. Obtain medical attention immediately if symptoms occur.
<b>Ingestion:</b>	Do not induce vomiting. Obtain medical attention.
<b>Most important symptoms/effects:</b>	No information available.
<b>Notes to Physician:</b>	Treat symptomatically.

### 5. Fire-fighting Measures

#### 5.1 Suitable Extinguishing Media:

Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.

#### 5.2 Special hazards arising from the substance from the substance or mixture:

Fire hazard- On exposure to high temperatures, may decompose releasing toxic fumes including monoxide or dioxide of carbon.

Reactivity- Stable under normal conditions.

#### 5.3 Advice for firefighters:

Protection during firefighting. Wear self-contained breathing apparatus, rubber boots and thick rubber gloves.

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### 6. Accidental Release Measures

**Personal Precautions:** Ensure adequate ventilation. Use personal protective equipment. Avoid dust formation.

**Environmental Precautions:** Should not be released into the environment. See section 12 for additional ecological information.

**Containment and Clean Up:** Sweep or vacuum up spillage and collect in suitable container for disposal. Avoid generation of dust.

### 7. Handling & Storage

**Handling:** Wear personal protective gear including gloves and respirator masks. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Avoid ingestion or inhalation. Avoid dust formation.

**Storage:** Keep containers tightly closed in a dry, cool and well-ventilated area away from direct sunlight and sources of heat.

### 8. Exposure Controls / Personal Protection

**Exposure Guidelines:** This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Engineering Measures:** Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation especially in confined areas.

**Personal Protective Equipment:**

- **Eye/Face Protection-** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.134.
- **Skin and Body Protection-** Wear appropriate protective gloves and clothing to prevent skin exposure.
- **Respiratory Protection-** Follow the OSHA respirator regulations found in 29 CFR 1910.134. Use NIOSH/MSHA approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

### 9. Physical & Chemical Properties

Physical State	Solid (granular powder)
Appearance	Typical
Odor	Typical
pH	No data available
Melting Point	No data available
Boiling Point	No data available
Flash Point	No data available
Evaporation Rate	No data available
Flammability	No data available
Vapor Pressure	No data available
Solubility	Soluble
Autoignition Temperature	No data available
Decomposition Temperature	No data available

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### 10. Stability and Reactivity

<b>Reactivity:</b>	Stable under normal conditions
<b>Chemical stability:</b>	Stable under normal conditions
<b>Possibility of hazardous reactions:</b>	None under normal conditions
<b>Incompatible materials:</b>	Strong oxidizing agents. Reaction with caustics can create heat.
<b>Hazardous decomposition products:</b>	Toxic fumes. Carbon monoxide and carbon dioxide.
<b>Hazardous Polymerization</b>	Will not occur.

### 11. Toxicological Information

<b>Acute Toxicity</b>	No acute toxicity information is available.
<b>Irritation</b>	May cause eye, skin and respiratory tract irritation.
<b>Sensitization</b>	No information available.
<b>Carcinogenicity</b>	Not listed.
<b>Mutagenic Effects</b>	No information available.
<b>Reproductive Effects</b>	No information available.
<b>Developmental Effects</b>	No information available.
<b>Teratogenicity</b>	No information available.
<b>Aspiration Hazard</b>	No information available.
<b>Endocrine Disruptor Information</b>	No information available.
<b>Other Adverse Effects</b>	Ingestion of large amounts may cause gastrointestinal irritation. The toxicological properties have not been fully investigated.

### 12. Ecological Information

<b>Ecotoxicity</b>	No information available.
<b>Persistence and Degradability</b>	No information available.
<b>Bioaccumulation/ Accumulation</b>	No information available.
<b>Mobility</b>	No information available.

### 13. Disposal Considerations

<b>Waste Disposal Methods</b>	Consult local, regional and national hazardous waste regulations when disposing of this material to ensure complete and accurate classification.
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### 14. Transportation Information

<b>DOT</b>	Not regulated.
<b>TDG</b>	Not regulated.
<b>IATA</b>	Not regulated.
<b>IMDG/IMO</b>	Not regulated.

### 15. Regulatory Information

#### 15.1 U.S. Federal Regulations:

Citric acid:

OSHA status- This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA Status: On TSCA inventory

HMS Rating: Health = 0 Flammability = 0 Reactivity = 0 Protective equipment = E

## 16. Other Information

Prepared By:	Luis Lovis
Creation Date:	August 18, 2017
Review Date:	May 21, 2023
Print Date:	
Revision Summary:	This document has been updated to comply with the US OSHA HazCom 2012 Standard replacing the current legislation under 29 CFR 1910.1200 to align with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

### Disclaimer

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and it is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

END of SDS