

## Safety Data Sheet

### Section 1: Product & Company Identification

<b>Product Name:</b>	β-Galactosidase, Recombinant
<b>Product #:</b>	B-3301
<b>Synonyms:</b>	-
<b>Supplier:</b>	AG Scientific Holdings, LLC 9950 Scripps Lake Drive, Suite 104 San Diego, CA 92131 Tele# + 858-452-9925
<b>Emergency Tele#:</b>	ChemTel, Tele# in USA 1-800-255-3924, International 1-813-248-0585

### Section 2: Composition / Information on Ingredients

Component	CAS #	EC #	% Composition
β-Galactosidase, Recombinant	9031-11-2		

### Section 3: Hazards Identification

<b>Symbols</b>	N/A
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#### HMIS Rating

Health Hazard	Chronic Health Hazard	Flammability	Physical Hazard
0		0	0

#### NFPA Rating

Health Hazard	Fire Hazard	Reactivity Hazard
0	0	0

### Section 4: First Aid Measures

<b>General Overview:</b>	No special measures required.
<b>Inhalation:</b>	Remove to fresh air, give oxygen if breathing becomes difficult and seek medical attention.
<b>Skin:</b>	Remove contaminated clothing and wash the exposed skin area thoroughly with soap and water.
<b>Eyes:</b>	Flush with copious amounts of water for at least 15 minutes. Seek medical attention.

<b>Ingestion:</b>	Flush mouth with copious amounts of water, provided that the person is conscious and seek medical attention.
	See section 11 for more detailed information on health effects & symptoms.

## SECTION 5: Fire Fighting Measures

<b>Flammability of the product:</b>	No data available
<b>Extinguishing Media:</b>	Water spray, dry chemical, foam, or carbon dioxide.
<b>Hazardous thermal (de)composition products:</b>	No data available
<b>Special Fire Fighting Procedures:</b>	Wear protective clothing and self-contained breathing apparatus to prevent contact with skin and eyes.
<b>Flash Point:</b>	No data available


## Section 6: Accidental Release Measures




<b>Personal Precautions:</b>	Wear rubber gloves, impermeable shoe covers, and long laboratory coat.
<b>Environmental Precautions:</b>	Contain the spill to the smallest area possible.
<b>Methods for Clean-up:</b>	Take care not to contaminate body. Absorb the material with disposable towels. Wash area with disposable towels. Transfer contaminated absorbent to a chemical waste container for disposal. Dispose of all contaminated trash in accordance with local regulations.

## SECTION 7: Handling & Storage

<b>Storage:</b>	Recommended storage temperature: 2-8°C
<b>Handling:</b>	Avoid inhalation and contact with eyes and skin. Avoid prolonged or repeated exposure.

## SECTION 8: Exposure controls / Personal Protection

<b>Respiratory Protection:</b>	
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	In case of fire, wear self-contained breathing apparatus.
<b>Skin and Body:</b>	  <p>Long lab coat and chemical-resistant gloves.</p>
<b>Eyes:</b>	 <p>Safety glasses.</p>
<b>Ventilation/Engineering Measures:</b>	Ensure adequate ventilation.
<b>Hygiene:</b>	Follow standard good industrial hygiene practices.
<b>Other:</b>	Contains no substances with occupational exposure limit values.

## SECTION 9: Physical and Chemical Properties

<b>Appearance &amp; Odor:</b>	Lyophilized powder
<b>Formula</b>	N/A
<b>Molecular Wt.</b>	540 kD
<b>Melting Pt.</b>	No data available
<b>Boiling Pt.</b>	No data available
<b>Density:</b>	No data available
<b>Vapor Pressure:</b>	No data available
<b>Evaporation Rate:</b>	No data available
<b>Vapor Density:</b>	No data available
<b>Solubility:</b>	No data available
<b>Flash Point:</b>	No data available
<b>Autoignition Temp:</b>	No data available

## SECTION 10: Stability and Reactivity

<b>Stability:</b>	Stable
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<b>Hazardous decomposition products:</b>	Carbon oxides, nitrogen oxides
<b>Materials to Avoid:</b>	Strong oxidizing agents
<b>Conditions to avoid:</b>	No data available

## SECTION 11: Toxicological Information

<b>RTECS#:</b>	N/A
<b>ACUTE Toxicity:</b>	May cause skin irritation. May be harmful if absorbed through skin or ingested. May cause eye irritation.
<b>CHRONIC Toxicity:</b>	No data available
<b>Chronic Exposure:</b> <b>Carcinogen:</b> <b>Mutagen:</b> <b>Teratogen:</b> <b>Reproductive:</b>	<p>IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.</p> <p>AGGIH: No component of this product present at levels greater than or equal to 0.1% is identified as probable, potential human carcinogen by ACGIH.</p> <p>NTP: No component of this product present at levels greater than or equal to 0.1% is identified as known or anticipated human carcinogen by NTP.</p> <p>OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as known or potential human carcinogen by OSHA.</p> <p>EPA: No classification on carcinogenic data is available from EPA</p>

## SECTION 12: Ecological Information

<b>Ecotoxicity:</b>	No data available
<b>Mobility:</b>	No data available
<b>Persistence and degradability:</b>	No data available
<b>Bioaccumulative potential:</b>	No data available
<b>Other adverse effects:</b>	No data available
<b>Corrosivity Characteristic:</b>	No data available
<b>General Notes:</b>	No data available

## SECTION 13: Disposal Considerations

<b>Residue Waste or Unused product:</b>	Observe all federal, state and local environmental regulations.
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<b>Contaminated Packaging:</b>	Observe all federal, state and local environmental regulations.
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## SECTION 14: Transportation Information

<b>UN ID#:</b>	N/A
<b>ADR / RID (LAND):</b>	Not regulated
<b>DOT regulations:</b>	Not regulated
<b>IMDG/IMO (SEA):</b>	Not regulated
<b>IATA/DGR (AIR):</b>	Not regulated
<b>Special Provisions:</b>	N/A

## SECTION 15: Regulatory Information

<b>Health Phrases:</b>	Not hazardous
<b>Risk Phrases:</b>	May be harmful if inhaled. May cause respiratory tract irritation. May be harmful if absorbed through skin. May cause skin irritation. May cause eye irritation. May be harmful if swallowed.
<b>Safety Phrases:</b>	N/A
<b>EU Regulations:</b>	N/A
<b>US Regulations:</b>	TSCA: Not listed California Proposition 65: No products were found
<b>U.S. Federal Regulations:</b>	SARA 302/304 emergency planning and notification: No products were found. SARA 311/312 MSDS distribution-chemical inventory-hazard identification: No products were found. SARA 313 toxic chemicals notification and release reporting: No products were found.  Clean Water Act (CWA) 307: No products were found. Clean Water Act (CWA) 311: No products were found. Clean Air Act (CAA) 112 accidental release prevention: No products were found. Clean Air Act (CAA) 112 regulated flammable substances: No products were found. Clean Air Act (CAA) 112 regulated toxic substances: No products were found. OSHA: N/A
<b>WHMIS (Canada):</b>	N/A

## SECTION 16: Other Information

**LIABILITY STATEMENT:** *The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. AG Scientific shall not be held liable for any damages resulting from handling or from contact with the above product. AG Scientific products are for research purposes only. Not for human use or consumption.*

