

## Safety Data Sheet

## Beta-Glucuronidase Solution

### SECTION 1: Identification

#### 1.1 Product identifier

Product name	<a href="#">Beta-Glucuronidase Solution</a>
Product number	20101
Brand	CovaChem
Substance name	Beta-Glucuronidase
EC no.	232-606-8
CAS no.	9001-45-0

#### 1.2 Other means of identification

Beta-Glucuronidase;  $\beta$ -Glucuronidase; beta-D-Glucuronide glucuronosohydrolase

#### 1.3 Recommended use of the chemical and restrictions on use

For laboratory use only. Intended for use as a research laboratory chemical or in the manufacturing of substances.

#### 1.4 Supplier's details

Name	CovaChem, LLC.
Address	6260 East Riverside Blvd Suite 119 Loves Park, IL 61111 United States
Telephone	815-315-1271
Fax	815-315-1272
email	info@covachem.com

#### 1.5 Emergency phone number(s)

PERS Professional Emergency Response Service  
Company Code 11814  
1-800-633-8253 (U.S. & Canada)  
1-801-629-0667 (International)

### SECTION 2: Hazard identification

#### General hazard statement

Not a hazardous substance

#### 2.1 Classification of the substance or mixture

- Sensitization, skin (chapter 3.4), Cat. 1
- Sensitization, respiratory (chapter 3.4), Cat. 1

#### 2.2 GHS label elements, including precautionary statements

##### Pictogram



##### Signal word

**Danger**

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### Hazard statement(s)

H317 May cause an allergic skin reaction  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled

### Precautionary statement(s)

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P333+P313 If skin irritation or a rash occurs: Get medical advice/attention.  
P342 If experiencing respiratory symptoms: Call a POISON CENTER or doctor.

### 2.3 Other hazards which do not result in classification

May cause allergic skin reaction

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## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Substance name	Beta-Glucuronidase
EC no.	232-606-8
CAS no.	9001-45-0
Other names / synonyms	Beta-Glucuronidase (10 - 30 %), purified from Red Abalone Water
Impurities and stabilizing additives	No additional ingredients present known to the supplier, which are classified as hazardous to health or environment, which would require reporting herein.

### Hazardous components

#### 1. Beta-Glucuronidase

Concentration	10 - 30 %
EC no.	232-606-8
CAS no.	9001-45-0

- Sensitization, respiratory (chapter 3.4), Cat. 1
- Sensitization, skin (chapter 3.4), Cat. 1
- H317, H334

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## SECTION 4: First-aid measures

### 4.1 Description of necessary first-aid measures

General advice	In the event of exposure, move away from the dangerous area, and contact a physician immediately. Show this safety data sheet to physician, as a reference.
If inhaled	Move affected person to fresh air. Give artificial respiration if person is not breathing. Contact a physician immediately.
In case of skin contact	Wash and scrub thoroughly with soap and water. Contact a physician.

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In case of eye contact	Without delay, flush and rinse the inside and outside of the eyelid with copious amounts of water. Ensure that contact lenses, if present are removed. Contact a physician immediately.
If swallowed	Do not give anything by mouth if person is unconscious. Wash mouth with water. If material has been swallowed, give small amounts of water to the affected person. Contact a physician immediately.

### 4.2 Most important symptoms/effects, acute and delayed

The most important symptoms and effects are described in section 2 and section 11.

### 4.3 Indication of immediate medical attention and special treatment needed, if necessary

Data not available.

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## SECTION 5: Fire-fighting measures

### 5.1 Suitable extinguishing media

Water spray, dry chemical, carbon dioxide or alcohol resistant foam are all suitable extinguishing media.

### 5.2 Specific hazards arising from the chemical

No specific fire or explosion hazards known, although nitrogen oxides (NO<sub>x</sub>), sulfur oxides, sodium oxides and carbon oxides may form in the event of a fire.

### 5.3 Special protective actions for fire-fighters

Firefighters should wear a self-contained breathing apparatus (SCBA) with full face piece and other appropriate protective equipment.

#### Further information

Potentially Hazardous Thermal Decomposition Products Formed In The Event of Fire Include:

- Carbon monoxide
- Carbon dioxide
- Nitrogen oxides (NO<sub>x</sub>)

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## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Wear appropriate personal protective equipment. Avoid breathing dust, vapors, mist or gas. Evacuate the affected area, keeping unprotected personnel away from the area. Avoid dust creation, and do not walk through spilled material.

### 6.2 Environmental precautions

Take adequate precautions to prevent spilled materials from entering waterways, sewers or drainage systems. Prevent further spillage of material, if possible.

### 6.3 Methods and materials for containment and cleaning up

Without creating dust, scoop the spilled contents and store in a suitable, closed container for disposal.

#### Reference to other sections

See section 13 for disposal information

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Avoid the formation of dust or aerosols. Use in a well ventilated area. Avoid contact with skin, eyes or respiratory tract.

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### 7.2 Conditions for safe storage, including any incompatibilities

Keep stored in a tightly closed container, protected from moisture and direct sunlight.

Recommended Storage temperature: +2 - 8 °C

### Specific end use(s)

For laboratory use only. Intended for use as a research laboratory chemical or in the manufacturing of substances.

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### 1. Beta-Glucuronidase (CAS: 9001-45-0 EC: 232-606-8)

### 8.2 Appropriate engineering controls

Handle with appropriate safety practices and good industrial hygiene. Wash hands and arms regularly before break periods and at the end of workday.

### 8.3 Individual protection measures, such as personal protective equipment (PPE)

#### Eye/face protection

Face shield or safety goggles.

#### Skin protection

Nitrile gloves, with minimum thickness or 0.11 mm

#### Body protection

When a complete individual risk assessment dictates, , complete body suit may be necessary.

#### Respiratory protection

When a complete individual risk assessment dictates, a full face respirator may be appropriate with multi-purpose cartridges (US) or ABEK (EN 14387) as a backup to engineering controls.

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## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Clear, Amber liquid
Odor	not available
Odor threshold	not available
pH	not available
Melting point/freezing point	not available
Initial boiling point and boiling range	not available
Flash point	not available
Evaporation rate	not available
Flammability (solid, gas)	not available
Upper/lower flammability limits	not available
Upper/lower explosive limits	not available
Vapor pressure	not available
Vapor density	not available
Relative density	not available
Solubility(ies)	not available
Partition coefficient: n-octanol/water	not available
Auto-ignition temperature	not available
Decomposition temperature	not available
Viscosity	not available
Explosive properties	not available

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Oxidizing properties

not available

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### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

No test data available regarding the reactivity of this product or its ingredients.

#### 10.2 Chemical stability

Product is stable.

#### 10.3 Possibility of hazardous reactions

Data Not Available

#### 10.4 Conditions to avoid

Data Not Available

#### 10.5 Incompatible materials

Data Not Available

#### 10.6 Hazardous decomposition products

- Carbon monoxide
- Carbon dioxide
- Nitrogen oxides (NO<sub>x</sub>)

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### SECTION 11: Toxicological information

#### Information on toxicological effects

##### Acute toxicity

Data Not Available

##### Skin corrosion/irritation

Data Not Available

##### Serious eye damage/irritation

Data Not Available

##### Respiratory or skin sensitization

Data Not Available

##### Germ cell mutagenicity

Data Not Available

##### Carcinogenicity

Data Not Available

##### Reproductive toxicity

Data Not Available

##### Summary of evaluation of the CMR properties

Data Not Available

##### STOT-single exposure

Data Not Available

##### STOT-repeated exposure

Data Not Available

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### Aspiration hazard

Data Not Available

### Additional information

Data Not Available

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## SECTION 12: Ecological information

### Toxicity

Data Not Available

### Persistence and degradability

Data Not Available

### Bioaccumulative potential

Data Not Available

### Mobility in soil

Data Not Available

### Results of PBT and vPvB assessment

Data Not Available

### Other adverse effects

Data Not Available

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## SECTION 13: Disposal considerations

### Disposal of the product

Generation of waste should be kept to a minimum when possible. Any waste generated should be recycled when possible. Please dispose any unused or used materials in accordance with applicable national, regional and local laws and regulations.

### Disposal of contaminated packaging

Dispose of in the same way as disposing of unused product.

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## SECTION 14: Transport information

### DOT (US)

Not dangerous goods

### IMDG

Not dangerous goods

### IATA

Not dangerous goods

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## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations specific for the product in question

#### SARA 302 Components

No chemical present in this material are subject to the reporting requirements of SARA Title III, Section 302

#### SARA 311/312 Hazards

Acute Health Hazard

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### SARA 313 Components

No chemical present in this material are subject to the reporting requirements of SARA Title III, Section 313

### Massachusetts Right To Know Components

No chemicals present are subject to the Massachusetts Right to Know Act.

### Pennsylvania Right To Know Components

Water CAS# 7732-18-5

### New Jersey Right To Know Components

Water CAS# 7732-18-5

### California Prop. 65 Components

This product does not contain any chemicals known to the state of California to cause cancer, birth defects or other forms of reproductive harm.

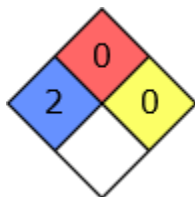
## 15.2 Chemical Safety Assessment

The customer shall determine the appropriate level of personal protective equipment to use.

### HMIS Rating

Beta-Glucuronidase	
HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

### NFPA Rating



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## SECTION 16: Other information

### 16.1 Further information/disclaimer

The information represented in this Safety Data Sheet is believed to be correct and is based on the current state of our knowledge. This document or any other document does not represent or suggest any type of warranty or guarantee of the product properties or characteristics of this material. CovaChem, LLC and its affiliates shall not be held liable for any damages that result from contact with the above product or handling this product or any others.