



# Safety Data Sheet

## Beta Glucuronidase Enzyme (abalone) liquid form

### Section 1. Identification

Product Identifier	Beta Glucuronidase Enzyme (abalone) liquid form		
Synonyms	BETA-GLUC-liquid; Alablonase		
Manufacturer Stock Numbers	N/A		
Product Cas	9001-45-0		
Recommended use	N/A		
Uses advised against	N/A		
Manufacturer Contact Address	UCT LLC 2731 Bartram Road Bristol, PA, 19007 US		
	Phone	Emergency Phone	Fax
	(215) 781-9255 0	(800) 424-9300 Chemtrec	N/A
		CHEMTREC	
	Email	Website	
	manastasio@unitedchem.com	www.unitedchem.com	

### Section 2. Hazards Identification

Classification	RESPIRATORY SENSITISATION - Category 1 SENSITIZATION - SKIN - Category 1
Signal Word	Danger
Pictogram	
Hazard Statements	May cause allergy or asthma symptoms or breathing difficulties if inhaled May cause an allergic skin reaction
Precautionary Statements	

Response	If experiencing respiratory symptoms: Call a poison center/doctor If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If on skin: Wash with plenty of water and soap If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see first aid instructions on this label) Wash contaminated clothing before reuse.
Prevention	Avoid breathing dust/fume/gas/mist/ vapors/spray. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves.
Storage	N/A
Disposal	Dispose of contents/container to an approved waste plant
Ingredients of unknown toxicity	0%
Hazards not Otherwise Classified	No Data Available

### Section 3. Ingredients

CAS	Ingredient Name	Weight %
9001-45-0	Glucuronidase, B	Unknown

Occupational exposure limits, if available, are listed in Section 8.

### Section 4. First-Aid Measures

General	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area
Eye	Flush eyes with water for 15 minutes. Get medical attention if irritation persists.
Skin	Scrub with soap and water. Remove contaminated clothing and shoes.
Ingestion	If swallowed, wash out mouth with water, provided person is conscious. Call a physician or poison control center immediately.
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Comments	If symptoms persist, get medical attention. Never give anything by mouth to an unconscious person.

### Section 5. Fire Fighting Measures

Suitable Extinguishing Media	Water, CO2, foam, dry powder As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Unsuitable Extinguishing Media	N/A

## Section 6. Accidental Release Measures

General Procedure	Absorb spill material with suitable chemical binder. Shovel absorbent into suitable waste container. Do not wash into sewer or soil, groundwater or surface water.
Special Protective Equipment	Wear appropriate personal protective equipment as specified in section 8.

## Section 7. Handling and Storage

Handling	Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventative fire protection.
Storage.	Store in a cool and dry place. Protect from heat, direct sunlight and source of ignition. Store away from acidic, alkaline and oxidizing materials. Provide adequate ventilation.
Additional Information	Recommended Storage Temperature: 4C to 8C

## Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Glucuronidase, B	N/A	N/A	N/A
Personal Protective Equipment	Goggles, Gloves, Respirator			
Engineering Controls	Facilities storing or utilizing this material should be equipped with an eyewash station and a safety shower. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.			
Eyes and Face	Use safety glasses with side shields			
Skin	Use impervious gloves. Use impervious clothing as necessary to protect against skin contact			
Respiratory	Maintain adequate ventilation. Mechanical ventilation recommended. In case of exposure, use appropriate NIOSH approved respiratory protection.			
Work Hygienic Practices	General industrial hygiene practice			
Comments	To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment, in accordance with the OSHA PPE Standard (29 CFR 1910.132), be conducted before using this product.			

## Section 9. Physical and Chemical Properties

Physical State	Liquid
Color	Brown
Odor	N/A
Odor Threshold	N/A
Solubility	N/A
Partition coefficient Water/n-octanol	N/A
VOC%	N/A
Viscosity	N/A
Specific Gravity	1
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	N/A
FP Method	N/A
Ph	N/A
Melting Point	N/A
Boiling Point	N/A
Boiling Range	N/A
LEL	N/A
UEL	N/A
Evaporation Rate	N/A
Flammability	N/A
Decomposition Temperature	N/A
Auto-ignition Temperature	N/A
Vapor Pressure	N/A
Vapor Density	N/A

## Section 10. Stability and Reactivity

Stability	(Under Normal Conditions) Stable under ordinary conditions of use and storage
Polymerization	Hazardous polymerization will not occur
Incompatible Materials	Oxidizing materials
Hazardous Decomposition Products	Hazardous decomposition products formed under fire conditions. Nature of products is unknown.

## Section 11. Toxicological Information

Carcinogenicity	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.  NTP: 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 NTP.  OSHA: No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA.
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## Section 12. Ecological Information

Environmental Data          No information available

## Section 13. Disposal

Method                                  Incinerate. Follow all federal, state and local regulations

Empty Container                      Containers of this material may be hazardous when empty since they retain product residues (liquids). Observe all warnings and precautions listed for this product.

Comments                                It is recommended that waste generators determine whether a discarded chemical is classified as a hazardous waste. Additionally, waste generators must consult with their waste broker and state and local hazardous waste regulations to insure complete and accurate classification. Although not la listed RCRA hazardous waste, this material may exhibit one or more characteristics of a hazardous waste and require appropriate analysis to determine specific disposal requirements. US EPA guidelines for classification determination are listed on 40CFR Parts 261.3

## Section 14. Transport Information

UN Number                              N/A

UN Proper Shipping Name          Not Dangerous Goods

DOT Classification                    N/A

Packing Group                         N/A

Transport                                Not Dangerous Goods

## Section 15. Regulatory Information

No Data Available

## Section 16. Other Information

Revision Date

2/3/2016

Manufacturer Disclaimer

The data in this Safety Data Sheet relates only to the specific material designated herein. It does not relate to use in combination with any other material or in any process.

Manufacturer Supplemental Notes

All technical data is believed to be correct but does not purport to be all inclusive and shall be used only as a guide.

Statement

THE INFORMATION AND RECOMMENDATIONS CONTAINED IN THIS SAFETY DATA SHEET HAVE BEEN COMPILED FROM SOURCES BELIEVED TO BE RELIABLE AND TO REPRESENT THE BEST OPINION ON THE SUBJECT AS OF THE DATE ON THIS SHEET. HOWEVER, NO WARRANTY, GUARENTEE OR REPRESENTATION, EXPRESSED OR IMPLIED, IS MADE BY UCT, INC. AS TO THE CORRECTNESS OR SUFFICIENCY OF THIS INFORMATION OR TO THE RESULTS TO BE OBTAINED FROM THE USE THEREOF.

Additional Information

HMIS Rating  
Health - 2\*  
Flammability - 0  
Physical Hazard - 0

NFPA Codes  
Health Hazard - 2  
Fire Hazard - 0  
Reactivity Hazard - 0