

Date Created

03/22/2012

Material Safety Data Sheet

Section 1- Product Information Product Name: Brain Natriuretic Peptide (BNP), Human Product Cat. No.: Z02746 Section 2- Composition / Information on Ingredients Substance Peptide (BNP), Human Substance / Preparation: Substance Peptide (BNP), Human Ingredient Name Brain Natriuretic Peptide (BNP), Human CAS No. No No Section 3- Hazards Identification Human Peptide (BNP), Human HMIS Rating 0 Peptide (BNP), Human Health 0 Peptide (BNP), Human No Section 3- Hazards Identification No Section 3- Hazards Identification No HMIS Rating 0 Peptide (BNP) Health 0 Perton Reactivity 0 O Gor additional information on toxicity, please refer to Section 11. Section 4- First Aid Measures Oral Exposure If swallowed, wash out mouth with water prophysician. Inhalation Exposure If swallowed, wash out mouth with water prophysician. Inhalation Exposure If swallowed, wash out mouth with water prophysician.	
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Section 5- Fire Fighting Measures	
Flash Point Not available	
Autoignition Temp Not available	
Flammability Not available	
Extinguishing Media	
Suitable Water spray. Carbon dioxide, dry chemical pow	/der, or appropriate foam.
Fire Fighting	
Protective Equipment Wear self-contained breathing apparatus and	protective clothing to prevent contact
with skin and eyes.	
Specific Hazard(s) Emits toxic fumes under fire conditions	
Section 6- Accidental Release Measures	
Procedure to Be Followed in Case of Evacuate area	
Leak or Spill	or boots, and books, which ar risks -
Procedure(s) of Personal Precaution(s)Wear respirator, chemical safety goggles, rubboMethods for Cleaning UpSweep up, place in a bag and hold for w Ventilate area and wash spill site after material	vaste disposal. Avoid raising dust
Section 7- Handling and Storage	
Handling	
User Exposure Avoid inhalation. Avoid contact with eyes, sk	in, and clothing. Avoid prolonged of
repeated exposure.StorageThis lyophilized preparation is stable at 2-8 °C, term storage, preferably desiccated.	but should be kept at -20 °C for long
860 Centennial Ave., Piscataway, NJ 08854, USA -	
Toll-free Tel: 1-877-436-7274 Fax: 1-732-210-0262 Email: product@genscript.0	



Section 8- Exposure Controls/Personal Protection Equipment

Engineering Controls	Mechanical exhaust required
Personal Protective Equipment	
Respiratory	Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) respirator.
Other	Wear appropriate government approved respirator, chemical-resistant gloves, safety goggles, other protective clothing.
General Hygiene Measures	Wash thoroughly after handling

Section 9- Physical and Chemical Properties

Appearance	_ •
Physical State	Lyophilized powder
Property	
Molecular Weight	~3.464kDa
рН	Not available
BP/BP Range	Not available
MP/MP Range	Not available
Freezing Point	Not available
Vapor Pressure	Not available
Vapor Density	Not available
Saturated Vapor Conc.	Not available
SG/Density	Not available
Bulk Density	Not available
Odor Threshold	Not available
Volatile%	Not available
VOC Content	Not available
Water Content	Not available
Solvent Content	Not available
Evaporation Rate	Not available
Viscosity	Not available
Surface Tension	Not available
Partition Coefficient	Not available
Decomposition Temp.	Not available
Flash Point	Not available
Explosion Limits	Not available
Flammability	Not available
Autoignition Temp	Not available
Refractive Index	Not available
Optical Rotation	Not available
Miscellaneous Data	Not available
Solubility	Soluble in water
Colubinity	
Section 10- Stability and Reactivity	
Stability	
Stable	Stable
Hazardous Decomposition Products	
Hazardous Decomposition Products	Nature of decomposition products not known
Section 11- Toxicological Informatic	on
Route of Exposure	
Skin Contact	May cause skin irritation
Skin Absorption	May be harmful if absorbed through the skin
Inhalation	Material may be irritating to mucous membranes and upper respiratory tract, May
maaton	be harmful if inhaled.
Indestion	May be harmful if swallowed
Ingestion Conditions Aggravated by Exposure	The toxicological properties have not been thoroughly investigated.
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Section 12- Ecological Information



Toxicity of The Products of Biodegradation	The product itself and its products of degradation are not toxic.
Section 13- Disposal Consideration	ns
Appropriate Method of Disposal of	Waste must be disposed of in accordance with federal, state and local
Substance or Preparation	environmental control regulations.
Section 14- Transport Information	
DOT	
Proper Shipping Name	None
Non-Hazardous for Transport	This substance is considered to be non-hazardous for transport.
IATA	
Non-Hazardous for Air Transport	Non-hazardous for air transport
Section 15- Regulatory Information	n
United States Regulatory information	
SARA Listed	No
Canada Regulatory Information	
WHMIS Classification	This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.
DSL	No
NDSL	No
Section 16- Other Information	

Disclaimer

For in vitro research use only.

GenScript corporation MSDS is believed to be correct but only used as a guide for experienced personnel, GenScript shall not be held liable for any damage resulting from the handling or from contact with the above product.