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MATERIAL SAFETY DATA SHEET

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DATE: updated on 10/10/2008

SECTION 1 – PRODUCT NAME

Product Name [Des- Asp1] - Angiotensin I, Human Synthetic Peptide
Product Number 13961-01
Brand NA

SECTION 2 – COMPOSITION/ INFORMATION ON INGREDIENT

<u>Substance Name</u>	<u>CAS #</u>	<u>SARA 313</u>
Synthetic Peptide	None	No
Formula	Variable. Contains C, H, N, O. S.	
Synonyms	Peptide	

SECTION 3 – HAZARDOUS IDENTIFICATION

EMERGENCY OVERVIEW

Caution: The chemical, physical and toxicological properties of this product have not been thoroughly investigated. Exercise due care.

HMIS RATING

HEALTH: 3

FLAMMABILITY: 0

REACTIVITY: 0

NFPA RATING

HEALTH: 3

FLAMMABILITY: 0

REACTIVITY: 0

For additional information on toxicity, please refer to Section 11.

SECTION 4 – FIRST AID MEASURES

ORAL EXPOSURE

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

INHALATION EXPOSURE

If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

DERMAL EXPOSURE

In case of contact, immediately wash skin with soap and copious amounts of water. Call a physician.

EYE EXPOSURE

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

SECTION 5 – FIRE FIGHTING MEASURES

FLASH POINT N/A

AUTOIGNITION TEMP N/A

FLAMMABILITY N/A

EXTINGUISHING MEDIA Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

FIREFIGHTING 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 LEAK OR SPILL

Evacuate area.

PROCEDURE(S) OF PERSONAL PRECAUTION(S)

Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves.

METHODS FOR CLEANING UP

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

SECTION 7 – HANDLING AND STORAGE/SPECIAL PRECAUTIONS

HANDLING

User Exposure: Avoid inhalation. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure.

STORAGE

Suitable: Keep tightly closed. Store at -20°C

SECTION 8 – EXPOSURE CONTROLS /PERSONAL PROTECTION

ENGINEERING CONTROLS: Safety shower and eye bath. Mechanical exhaust required.

PERSONAL PROTECTIVE EQUIPMENT: Respiratory: Wear dust mask, Hand: Protective gloves, Eye: Chemical safety goggles.

GENERAL HYGIENE MEASURES: Wash thoroughly after handling.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Physical State: Solid	
Property	Value	At Temperature or Pressure

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable. Avoid strong acids, strong bases.

Hazardous decomposition products: Nature not known.

Hazardous polymerization: Hazardous polymerization will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

Route of exposure: Skin contact: May cause skin irritation. Skin absorption: May be harmful. Eye contact: May cause eye irritation. Inhalation: May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract. Ingestion: May be harmful if swallowed.

Conditions aggravated by exposure: The toxicological properties have not been thoroughly investigated.

SECTION 12 – ECOLOGICAL INFORMATION

No data available

SECTION 13 – DISPOSAL CONSIDERATIONS

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. **Observe all Federal, State and local environmental 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

DISCLAIMER: For R&D use only. Not for drug, household or other uses.

WARRANTY: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Bio-Synthesis, Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

SECTION 16 – OTHER INFORMATION

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide.

Bio-Synthesis, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product