Safety Data Sheet (SDS)

1. PRODUCT AND COMPANY IDENTIFICATION

Catalog Code Number: 4212-v
Product Name: BNP-32 (Human)
Supplier's Name: Peptide Institute, Inc.
Address: 7-2-9 Saito-Asagi, Ibaraki-Shi, Osaka 567-0085, Japan
Phone Number: 81-72-643-4411
Fax Number: 81-72-643-4422
Creation Date: January 23, 2002
Revised: December 25, 2018 (ver.5)

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture
GHS classification: Not a hazardous substance
Other hazards: No data available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Single Substance or Mixture: Single Substance
Common Name: BNP-32 (Human)
Synonym: B-type (Brain) Natriuretic Peptide-32 (Human)
Structure: Ser-Pro-Lys-Met-Val-Gln-Gly-Ser-Gly-Cys-
Phe-Gly-Arg-Lys-Met-Asp-Arg-Ile-Ser-Ser-
Ser-Gly-Leu-Gly-Cys-Lys-Val-Leu-Arg-
Arg-His
(Disulfide bond between Cys^{10}-Cys^{26})
Molecular Formula: C_{143}H_{244}N_{50}O_{42}S_{4} (M.W. 3464.0)
CAS Registry Number: 124584-08-3
EINECS No.: -
UN No. & Hazard Class: This material is not classified as hazardous goods.

4. FIRST AID MEASURES

Inhalation: If inhaled, remove person to fresh air and keep comfortable for breathing. Wash your mouth and nasal cavity thoroughly with clean water and get medical attention.
Skin contact: In case of skin contact, wash with plenty of water. Call a doctor, if you feel unwell.
Eye contact: In case of contact with eyes, wash with plenty of water. Call a doctor, if you feel unwell.
Ingestion: If swallowed, rinse mouth. Call a doctor, if you feel unwell.

5. FIRE FIGHTING MEASURES

Extinguishing media: Water spray, carbon dioxide, dry chemical powder, or appropriate form.
Special extinguishing method: Complies with fire extinguishing method in normal fire.
Specific hazards arising from the chemical product:
Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:
Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves.
Environmental precautions:
To be careful not discharged to the environment without being properly handled waste water contaminated.

SDS No. 4212 BNP-32 (Human)
Methods and materials for contaminant and methods and materials for cleaning up:
Sweep up, place in a bag and hold for waste disposal. Avoid raising dust.

7. HANDLING AND STORAGE
Handling: Avoid inhalation. Avoid contact with eyes, skin and clothing.
Storage: Keep container tightly closed. Store in a cool dry place. Recommended Storage -20 °C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION
Engineering controls: No data available
Exposure limits: No data available
Personal protective equipment: Wear appropriate respirator, chemical-resistant gloves, safety goggles, other protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES
Appearance and Odor: White amorphous powder
Reactivity in Water: No reactivity
Solubility: Soluble in H2O

10. STABILITY AND REACTIVITY
Stability: No data available
Reactivity: No data available

11. TOXICOLOGICAL INFORMATION
Acute toxicity: No data available
Skin irritation/corrosion: No data available
Serious eye damage/irritation: No data available
Respiratory or skin sensitization: No data available
Reproductive cell mutagenicity: No data available
Carcinogenicity: No data available
Reproductive toxicity: No data available
STOT-single exposure: No data available
STOT-repeated exposure: No data available
Aspiration hazard: No data available

12. ECOLOGICAL INFORMATION
Ecotoxicity: No data available
Persistence and degradability: No data available
Bioaccumulative potential: No data available
Mobility in soil: No data available

13. DISPOSAL CONSIDERATIONS
Observe all federal, state and local environmental regulations.
Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

14. TRANSPORT INFORMATION
UN number and UN classification: This material is not classified as hazardous goods.
15. REGULATORY INFORMATION

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

16. OTHER INFORMATION

Disclaimer: NOT FOR USE IN HUMANS. For R&D use only. Not for drug, household or other uses.
Reference:
1. JCIA: Japan Chemical Industry Association GHS support Guidelines (June, 2012)
2. JIS Z7253:2012 Hazard communication of chemicals based on GHS-Labelling and Safety Data Sheet (SDS)
3. NITE: National Institute of Technology and Evaluation (JAPAN) web site

The above information is furnished without warranty, express or implied, except that it is accurate to the best knowledge of Peptide Institute, Inc. It relates only to the specific product designated herein, and does not relate to use in combination with any other material or in any process. Peptide Institute, Inc. assumes no legal responsibility for use of or reliance upon this information.