1. PRODUCT AND COMPANY IDENTIFICATION

Catalog Code Number: 4068-s/4068-v  
Product Name: Parathyroid Hormone (Human, 1-34)  
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: July 24, 2014  
Revised: October 17, 2018 (ver.2)

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: PTH (Human, 1-34)  
Molecular Formula: C_{181}H_{291}N_{55}O_{51}S_{2} (M.W. 4117.7)  
CAS Registry Number: 52232-67-4  
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.  
Methods and materials for contaminant and methods and materials for cleaning up:

SDS No. 4068 Parathyroid Hormone (Human, 1-34)
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

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