

## Safety Data Sheet (SDS)

### 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:** February 7, 2022 (ver. 3)

### 2. HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

#### GHS classification

##### HEALTH HAZARDS

CARCINOGENICITY	Category 1A
REPRODUCTIVE TOXICITY	Category 1A
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)	Category 3, Narcotic effects Category 1, Central nervous system
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE)	Category 1, Liver Category 1, Systemic toxicity

Pictograms or hazard symbols



Signal word      Danger

#### Hazard statements

May cause drowsiness or dizziness  
May cause cancer  
May damage fertility or the unborn child  
Causes damage to organs: Central nervous system  
Causes damage to organs through prolonged or repeated exposure: Liver, Systemic toxicity

#### Precautionary statements

##### Safety measures

Obtain special instructions before use.  
Do not breathe dust/fume/gas/mist/vapours/spray.  
Wear protective gloves/protective clothing/eye protection/face protection.

##### First-aid measures

IF exposed or concerned: Get medical advice/attention.

**Other hazards:** No data available

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Single Substance or Mixture:** Single Substance

**Common Name:** PTH (Human, 1-34)

**Structure:** Ser-Val-Ser-Glu-Ile-Gln-Leu-Met-His-Asn-  
Leu-Gly-Lys-His-Leu-Asn-Ser-Met-Glu-Arg-  
Val-Glu-Trp-Leu-Arg-Lys-Lys-Leu-Gln-Asp-

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

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Val-His-Asn-Phe

**Molecular Formula:** C<sub>181</sub>H<sub>291</sub>N<sub>55</sub>O<sub>51</sub>S<sub>2</sub> (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:**

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 H<sub>2</sub>O

## 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

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<b>Serious eye damage/ irritation:</b>	No data available
<b>Respiratory or skin sensitization:</b>	No data available
<b>Reproductive cell mutagenicity:</b>	No data available
<b>Carcinogenicity:</b>	GHS classification Category 1A
<b>Reproductive toxicity:</b>	GHS classification Category 1A
<b>STOT-single exposure:</b>	GHS classification Category 3, Narcotic effects GHS classification Category 1, Central nervous system
<b>STOT-repeated exposure:</b>	GHS classification Category 1, Liver GHS classification Category 1, Systemic toxicity
<b>Aspiration hazard:</b>	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-Labeling and Safety Data Sheet (SDS)
3. NITE: National Institute of Technology and Evaluation (JAPAN) web site

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