

Material Safety Data Sheet (MSDS)

1. PRODUCT AND COMPANY IDENTIFICATION

Catalog Code Number: 1048
Product Name: 6-Cl-HOBt
Supplier's Name: Peptide Institute, Inc.
Address: 4-1-2 Ina, Minoh-Shi, Osaka 562-8686, Japan
Phone Number: 81-72-729-4121
Fax Number: 81-72-729-4124
Creation Date: March 19, 2012

2. COMPOSITION/INFORMATION ON INGREDIENTS

Common Chemical Name: 6-Chloro-1-hydroxybenzotriazole
Molecular Formula: C₆H₄N₃OCl (M.W. 169.57)
Reference: 1) Material Safety Data Sheet for 6-Cl-HOBt Reagent (Catalog Code: KCH-1009-PI, Peptides International, Inc.)
2) G. Sabatino, B. Mulinacci, M.C. Alcaro, M. Chelli, P. Rovero, and A.M. Papini, *Lett. Pept. Sci.*, **9**, 119 (2002).
CAS Registry Number: 26198-19-6
EINECS No.: -

3. HAZARDS IDENTIFICATION

Label precautionary statements: May decompose violently when heated under confinement. Store in a dark container protected from humidity. Keep away from heat.
Symptoms of Overexposure: *Please treat with caution.* The chemical, physical, and toxicological properties of this product have not been thoroughly investigated. Exercise caution.

4. FIRST-AID MEASURES

Inhalation: Remove to fresh air. If breathing becomes difficult, get medical attention immediately.
Skin contact: Flush with large amounts of water for at least 15 minutes. Get medical attention. Wash clothing before reuse.
Eye contact: Flush with large amounts of water for at least 15 minutes. Assure adequate flushing by separating upper and lower eyelids. Get medical attention.
Ingestion: If swallowed, wash out mouth with large amounts of water provided person is conscious. Get medical attention.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Water spray, CO₂, dry powder, or appropriate foam
Special fire-fighting procedures: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Unusual fire and explosion hazards: Container explosion may occur under fire conditions.

6. ACCIDENTAL RELEASE MEASURES

Spill and waste disposal: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Sweep up, place in a heavy plastic bag, and hold for waste disposal. Ventilate the area of the spill site with copious amounts of water after material pickup is completed. Comply with all applicable federal, state and local regulations on spill reporting, waste handling and waste disposal.

7. HANDLING AND STORAGE

Refer to section 8.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Keep product package tightly sealed and protected from moisture.

Avoid breathing dust.

Avoid contact with eyes, skin, and clothing.

Use good laboratory practices; change clothing if contaminated.

Wash hands after using products and before eating.

Do not eat, drink, or smoke in the work area.

Wear a NIOSH approved respirator, chemical resistant gloves, safety goggles, and other protective clothing.

Keep container tightly closed.

Store in a cool, dry location away from light.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: Off white powder

Reactivity in Water: No reactivity

Melting Point: 189–192°C (decomposition)

10. STABILITY AND REACTIVITY

Stability: Stable

Incompatibilities: Strong oxidizers

Hazardous combustion or decomposition products: CO, CO₂, NO₂

Hazardous polymerization: Will not occur.

Conditions to avoid: Heat, UV, and visible light

11. TOXICOLOGICAL INFORMATION

Toxicity: LD₅₀ (*oral* rat): >200 mg/kg

Acute effects: The toxicological properties have not been thoroughly investigated.

May cause skin irritation.

May be harmful if absorbed through the skin.

May cause eye irritation.

May be harmful if inhaled.

May cause respiratory tract irritation.

May be harmful if swallowed.

12. ECOLOGICAL INFORMATION

Data not yet available.

13. DISPOSAL CONSIDERATIONS

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. TRANSPORT INFORMATION

This material is not classified as hazardous goods.

For transportation purposes it is labeled as Chemicals., N.O.S.

Peptide Institute, Inc.

4-1-2 Ina, Minoh-Shi, Osaka 562-8686, Japan

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

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.