



American International Chemical, Inc.

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MATERIAL SAFETY DATA SHEET

HOBT (1-HYROXYBENZOTRIAZOLE HYDRATE)

SECTION 1 - CHEMICAL PRODUCT AND COMPANY INFORMATION

American International Chemical, Inc. 135 Newbury Street Framingham, MA 01701	Emergency Number: Chemtrec Information Number:	800-424-9300 703-527-3887 800-238-0001
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Date: August 2007

Synonyms: Benzazimidol hydrate, N- Hydroxybenzotriazole Hydrate, 1-Hydroxybenzotriazole Monohydrate

CAS #: 123333-53-9

DOT Hazard Class: Self Reactive Solid Type C
Hazard Class 4.1 Packing Group II UN 3224

SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

1- Hydroxbenzotriazole Hydrate: 98% min

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: White to off white crystals. May cause irritation to the skin, eyes and respiratory tract. It is light sensitive. Material is highly flammable. It may explode at the melting point (157°C).

POTENTIAL HEALTH EFFECTS:

Skin: May cause skin irritation.

Eyes: May cause irritation or burning.

Inhalation: May cause irritation to the respiratory tract.

Ingestion: Not a hazard with normal industrial usage, but may cause irritation to the digestive tract if digested.

CARCINOGENICITY: Not Identifiable

SECTION 4 - FIRST AID MEASURES

Skin: Immediately wash skin with soap and water for at least 15 minutes.

Eyes: Immediately flush with plenty of water for at least 15 minutes, holding eyelids apart.

Inhalation: Remove to the fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Ingestion: Wash out mouth with water.

On All Of The Above: Call a physician.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: May explode at temperatures above 157 °C.

Flammable Limits: Not Available.

Extinguishing Media: Use media that is appropriate to treat surrounding fire.

Special Fire Fighting Procedures: Use fire fighting procedure that is appropriate to treat surrounding fire. All firefighters should use self-contained breathing apparatus and full fire-fighting turnout gear. Keep containers below 157 °C by cooling with water after fire is out.

Unusual Fire Explosion Hazard: May explode at temperatures above 157 °C. Can emit toxic fumes under fire conditions.

Auto Ignition Temperature: May explode above 157 °C.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Isolate hazard area and deny entry to unnecessary or unprotected personnel. Use nonsparking tools. Contain spill, sweep up, collect and place in a disposal container. Avoid runoff into storm sewers and ditches that lead to waterways.

SECTION 7 - HANDLING AND STORAGE

Avoid contact with skin, eyes and clothing. Use with adequate ventilation. Avoid breathing dust. Use normal personal hygiene and housekeeping. Store in cool, dry area away from heat and other incompatible materials. Product is slightly hygroscopic and should be stored in a dry area to prevent moisture pick up and caking. Material is sensitive to light.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

RESPIRATORY PROTECTION: Use NIOSH/MSHA approved respirators.

VENTILATION REQUIREMENTS: Ventilate as necessary to eliminate dust from the work area and maintain concentrations below the limit.

SKIN AND EYE PROTECTION: Use rubber or neoprene gloves, chemical goggles and clothing sufficient to protect skin from dust.

WORK, HYGIENIC PRACTICES: As required to protect skin and eyes from dust, safety showers and/or eyewash should be available. Do not leave food or smoke in work area. Wash thoroughly and remove or clean any contaminated clothing.

EXPOSURE LIMITS: None Established

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: Decomposes

Vapor Pressure (MM Hg): Not Available

Vapor Density (AIR=1): Not Applicable

Specific Gravity (H₂O=1): Not Available

Percent Volatile by Volume (%): Not Applicable

Melting Point: 155-158 °C

Evaporation Rate (Butyl Acetate=1): Not Applicable

Solubility in Water: 0.3% in Water 20 °C

pH: Not Applicable

SECTION 10 - STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under normal temperatures and pressures. May become unstable above 157 °C.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: Nitrogen oxides, carbon monoxide and carbon dioxide.

KEEP AWAY FROM: Heat and oxidizing agents.

SECTION 11 - TOXICOLOGICAL INFORMATION

Not Available

SECTION 12 - ECOLOGICAL INFORMATION

Not Available

SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of in accordance with all federal, state and local regulations.

RCRA WASTE #: Not Listed

SECTION 14 - TRANSPORTATION INFORMATION

D.O.T. SHIPPING NAME: Self Reactive Solid Type C

TECHNICAL SHIPPING NAME: HOBt (1-Hydroxybenzotriazole Hydrate)

U.N./NUMBER: UN 3224

D.O.T. HAZARD CLASS AND GROUP NUMBER: 4.1; PG II

D.O.T. PLACARD: Flammable Solid

PRODUCT LABEL: Flammable Solid

HOBt (1-HYDROXYBENZOTRIAZOLE HYDRATE)

SECTION 15 - REGULATORY INFORMATION

OSHA STATUS: Not listed

TSCA STATUS: Not listed. For research and development usage.

CERCLA REPORTABLE REQUIREMENTS: (RQ) None

SARA TITLE III INFORMATION:

Section 302 Extremely Hazardous Substance Not listed

Section 313 Toxic Chemicals: Not listed

Section 311/312 Hazard Category: Acute health , Fire hazard.

SECTION 16 - OTHER INFORMATION

NFPA Rating: Health: 0
Flammability: 3
Reactivity: 3

Reason for Issue: Changed Date

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