



# American International Chemical, Inc.

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## MATERIAL SAFETY DATA SHEET

### 5-(ETHYLTHIO)-1H-TETRAZOLE

#### SECTION 1 - CHEMICAL PRODUCT AND COMPANY INFORMATION

American International Chemical, Inc. 135 Newbury Street Framingham, MA 07101	Emergency Number: Chemtrec Information Number:	800-424-9300 703-527-3887 800-238-0001
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Date: August 2007

Synonyms: None Known

CAS #: 89797-68-2

DOT Hazard Class: Not Regulated

#### SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

5-(Ethylthio)-1H-Tetrazole 99.0% min.

#### SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: White crystals. Emits toxic fumes under fire conditions. May explode under fire conditions or if heated near melting point of 83-86°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.

CHRONIC EFFECTS: None Identified

Target Organs: None Identified

CARCINOGENICITY: Not Identifiable

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#### **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 eye lids 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:** Consult a physician if symptoms persist.

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#### **SECTION 5 - FIRE FIGHTING MEASURES**

Flash Point: Not Available

Flammable Limits: Not Available

Extinguishing Media: Water spray, carbon dioxide, dry chemical powder or appropriate foam.

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.

Unusual Fire Explosion Hazard: Container explosions may occur under fire conditions. Emits toxic fumes under fire conditions. May explode if heated near melting point (83-86°C).

Auto Ignition Temperature: Not Applicable

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#### **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

Isolate hazard area and deny entry to unnecessary or unprotected personnel.

Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup in complete.

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#### **SECTION 7 - HANDLING AND STORAGE**

Use chemical safety goggles, NIOSH/MSHA-approved respirator. If necessary, use safety shower and eye bath. Mechanical exhaust required. Avoid contact and inhalation. Do not get in eyes, on skin, on clothing. Keep tightly closed. Store in a cool dry place.

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#### **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:**

#### **SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION cont'd**

5-(Ethylthio)-1H-Tetrazole

AMERICAN INTERNATIONAL CHEMICAL, INC. 800 238 0001

As required to protect skin and eyes from dust, safety showers and/or eye wash 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

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## **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

Boiling Point: Not Applicable

Vapor Pressure (MM Hg): Not Applicable

Vapor Density (AIR=1): Not Applicable

Specific Gravity (H<sub>2</sub>O=1): Not Applicable

Percent Volatile by Volume (%): Not Applicable

Melting Point: 83-86 °C

Evaporation Rate (Butyl Acetate=1): Not Applicable

Solubility in Water: Slightly soluble in hot water

pH: Not Applicable

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## **SECTION 10 - STABILITY AND REACTIVITY**

CHEMICAL STABILITY: Stable under normal temperatures and pressures.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: Toxic fumes of carbon monoxide, dioxide and nitrogen oxides.

KEEP AWAY FROM: Heat, metals, metal salts, oxidizers, acids and chlorides.

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## **SECTION 11 - TOXICOLOGICAL INFORMATION**

Not Available

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## **SECTION 12 - ECOLOGICAL INFORMATION**

Not Available

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## **SECTION 13 - DISPOSAL CONSIDERATIONS**

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

RCRA WASTE #: Not Listed

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**SECTION 14 - TRANSPORTATION INFORMATION**

D.O.T. SHIPPING NAME:.....5-(Ethylthio)-1H-Tetrazole

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**SECTION 15 - REGULATORY INFORMATION**

OSHA STATUS: Not Listed

TSCA STATUS: Not Listed

CERCLA REPORTABLE REQUIREMENTS: (RQ) None

SARA TITLE III INFORMATION:

Section 302 Extremely Hazardous Substance: Unlisted

Section 313 Toxic Chemicals: Unlisted

Section 311/312 Hazard Category: Fire Hazard, Immediate (acute) Health Hazard.

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**SECTION 16 - OTHER INFORMATION**

Reason for Issue: Changed Date

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