



American International Chemical, Inc.

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MATERIAL SAFETY DATA SHEET

1H-TETRAZOLE

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: None Known

CAS #: 288-94-8

DOT Hazard Class: 1H-Tetrazole, Explosive
Class 1.1D
UN 0504
PG II

SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

1-H Tetrazole 99.5% min.

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: White crystalline odorless powder that may explode when heated under confinement.

POTENTIAL HEALTH EFFECTS:

Skin: May cause irritation.

Eyes: May cause irritation or burning.

Inhalation: May cause irritation to the upper respiratory tract.

Ingestion: Not a hazard with normal industrial usage.

CARCINOGENICITY: Not Identifiable

SECTION 4 - FIRST AID MEASURES

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

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

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

Ingestion: Wash out mouth with water.

With All Of The Above: Consult a physician if symptoms persist.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: Not Applicable

Flammable Limits: Not Applicable

Extinguishing Media: Use 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: May explode if heated above melting point 155°C.

Auto Ignition Temperature: Not Applicable

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Isolate hazard area and deny entry to unnecessary or unprotected personnel. Shut off sources of ignition. Use non-sparking tools.

Contain spill, sweep up, collect and place in a disposal container. Avoid runoff into storm sewers and ditches which 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 other incompatible materials. Keep away from any heat source. Product is slightly hygroscopic and should be stored in a dry area to prevent moisture pick up and caking.

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.

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 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

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: Not Applicable

Vapor Pressure (MM Hg): Not Applicable

Vapor Density (AIR=1): Not Applicable

Specific Gravity (H2O=1): Not Applicable

Bulk Density: 640 - 700 Kg/m³ @ 20° C

Percent Volatile by Volume (%): Not Applicable

Melting Point: 154 - 158° C

Evaporation Rate (Butyl Acetate=1): Not Applicable

Solubility in Water: Appreciable 23g/100 ml @ 20° C

pH: Not Applicable

SECTION 10 - STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under normal temperatures and pressures.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide and nitrogen oxides.

KEEP AWAY FROM: Strong oxidizers, acids, acid chlorides, acid anhydrides, and avoid contact with metals and metal salts as it may form explosive compounds. Avoid temperatures above 155° C as it may explode.

SECTION 11 - TOXICOLOGICAL INFORMATION

Not Available

SECTION 12 - ECOLOGICAL INFORMATION

Not available

SECTION 13 - DISPOSAL CONSIDERATIONS

Dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an after burner and scrubber. Dispose of in accordance with all federal, state and local regulations.

RCRA WASTE #: Not Listed

SECTION 14 - TRANSPORTATION INFORMATION

D.O.T. SHIPPING NAME: 1-H Tetrazole, Explosive

TECHNICAL SHIPPING NAME: 1-H Tetrazole

U.N./NUMBER: 0504

D.O.T. HAZARD CLASS AND GROUP NUMBER:....1.1D, PG II

D.O.T. PLACARD: Explosive 1.1D

PRODUCT LABEL: Explosive 1.1D

OTHER INFORMATION: Rail and Air Transportation - Forbidden

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: Immediate (acute) Health Hazard, Fire Hazard.

SECTION 16 - OTHER INFORMATION

HMIS CODE: H F R
1 4 0

Reason for Issue: Changed Date

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