

**AERCHEM INC.**  
**320 North Walnut**  
**Bloomington, IN 47408**

Telephone: 812.334.9996

Fax: 812.334.1960

Emergency: 800.424.9300

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**SECTION 1: IDENTIFICATION**

**Product Name:** 1H-TETRAZOLE  
**Chemical Formula:** CH<sub>2</sub>N<sub>4</sub>  
**CAS No.:** 288-94-8

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**SECTION 2: HAZARDOUS INGREDIENTS:**

May be harmful by inhalation, ingestion, or skin absorption. May cause irritation.

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**SECTION 3: PHYSICAL DATA**

Appearance and Odor:	white to off-white crystalline powder, odorless
Boiling point:(760 mmHg)	n/a
Vapor Pressure (mmHg):	n/a
Specific Gravity (Water = 1):	n/a
Solubility in water:(by weight)	23 g/100 mL (20°C)
Melting Point:	157-159°C
Vapor Density:	n/a

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**SECTION 4: FIRE AND EXPLOSION DATA**

Flash point:	n/a
Flammable limit:	n/a
Extinguishing Media:	water spray, carbon dioxide, dry chemical powder, alcohol, polymer foam
Fire Fighting Procedures:	none
Unusual Fire and Explosion Hazards:	May explode if heated above 155°C

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**SECTION 5: REACTIVITY DATA**

Stable _____	X _____	Unstable _____
<b>Conditions to Avoid:</b>		none
<b>Incompatibilities:</b>		strong oxidizing agents, strong acids, acid chlorides, acid anhydrides
<b>Hazardous Decomposition or byproducts:</b>		toxic fumes of nitrogen oxides
<b>Hazardous Polymerization:</b>		will not occur

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**SECTION 6: HEALTH HAZARD DATA**

<b>Threshold Limit Value (TLV):</b>	n/a
<b>Toxicity: Oral LD50 (rat):</b>	n/a
<b>NTP:</b>	no
<b>IARC Monographs:</b>	no

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**SECTION 7: SPILLAGE AND DISPOSAL PROCEDURES**

**Spillage:** Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilated area and wash spill site after material pickup is complete.

**Disposal:** Dissolve or mix with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber

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**SECTION 8: FIRST AID PROCEDURES**

**Eyes:** Immediately flush with copious amounts of water for at least 15 minutes.

**Skin:** Immediately wash with soap and copious amounts of water.

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

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**Ingestion:** Wash out mouth with water. Call a physician.

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**SECTION 9: PRECAUTION TO BE TAKEN IN HANDLING AND STORING**

Keep tightly closed. Store in a cool dry place. Do not inhale. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse.

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**SECTION 10: SPECIAL PROTECTION INFORMATION**

<b>Ventilation:</b>	Mechanical exhaust required.	<b>Eye Protection:</b>	chemical safety goggles
<b>Protective Gloves:</b>	rubber gloves	<b>Respiratory Protection:</b>	self contained breathing apparatus
<b>Other Protective Gear:</b>	safety shower and eye bath required		

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**SECTION 11: TRANSPORT INFORMATION**

**DOT classification:** not regulated