



Material Safety Data Sheet

Section I: Identification & Information

Name: 5-Ethylthio-1H-Tetrazole Chemical Family:
Heterocycle

Synonyms: EthylthioTetrazole
Formula: $C_3H_6N_4S$ M.W.: 130.17

DOT Proper Shipping Name: 5-Ethylthio-1H-Tetrazole
DOT Identification No.: n/a CAS No.: 89797-68-2
DOT Hazard Class: n/a

Section II: Physical Properties

Appearance: White crystals	Odor: Odorless
Vapor Pressure: n/a	Specific Gravity ($H_2O=1$): n/a
Vapor Density (air=1): n/a	Percent Volatiles by volume: n/a
Evaporation Rate (Ether=1): n/a	Water Reactive: n/a
Stability: Stable	Solubility in H_2O : Slightly Soluble in hot H_2O
Boiling Point: n/a	Melting point: 83-86°C

Section III: Reactivity Hazard Data

Hazardous polymerization will not occur under normal conditions.
Stable under normal temperatures and pressures.

Conditions to avoid: Heat, sparks, open flame, poor ventilation. May explode if heated near melting point(83-86°C).

Materials to avoid: Metals and metal salts (may form explosive compounds), strong oxidizers and acids, acid chlorides, and acid anhydrides.

Hazardous decomposition products: Toxic fumes of carbon monoxide, carbon dioxide and nitrogen oxides.

Section VII: Special Protection

Ventilation: Mechanical exhaust required.

Respiratory Protection: Use NIOSH-approved respirator. Avoid inhalation.

Skin Protection: Avoid contact with skin. Use gloves (rubber or neoprene) and appropriate protective clothing.

Eye Protection: Wear safety goggles. Faceshields preferred. Contact lenses should not be worn when working with this material.

Emergency eye wash fountains and safety showers should be available in the vicinity of any potential exposure.

Section VIII: Spill and Disposal Procedures

In case of spill: Ventilate area. Evacuate unnecessary 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. Wash spill site after material pickup is complete.

Waste Disposal: Dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local regulations.

Section IX: Storage

Keep container tightly closed. Store in a cool dry place.

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Key:

ca: Approximately

TWA: Time Weighted Average

STEL: Short Term Exposure Level

TLV: Threshold Limit Value

n/a: not available

PEL: Permissible Exposure Level

BuAc: Butyl Acetate