

PC101 TEA**PYCOSA Chemicals, Inc.**

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Emergency Phone: (800) 424 9300**NFPA 704 Hazard Rating**

Health	2	Other	0
Fire	1		
Reactivity	1		

Effective Date: 05/2006 Prepared by: Roger Borremans

The following information includes safety data required by OSHA. The recipient of this safety data is responsible for passing the safety information on so that it reaches the ultimate user who may come in contact with the material.

Section 1. Material Identification**Synonyms:** 2,2',2'-Nitrilotriethanol, Triethylamine, Trihydroxytriethylamine**CAS No.:** 102-71-6**Molecular Weight:** 149.2**Chemical Formula:** (CH₂OHCH₂)₃N**Section 2. Ingredients**

<u>Product</u>	<u>C.A.S. No.</u>	<u>P.E.L.</u> expressed in ppm	<u>STEL TLV</u>	<u>Percent</u>
Triethylamine	102-71-6		5.0	70.0-80.0%
This product contains material that is subject to the reporting requirements of Sara Title III section 313 (see section 11 of this MSDS)				
P/I: Proprietary Information				

Section 3. Physical Data**Physical Form:** Liquid**Color:** colorless**Odor:** slightly ammoniacal odor**Boiling Point:** 635°F (335°C)**Melting Point:** 68°F (20°C)**Vapor Pressure:** 0.0001 mmHg @ 68°F (20°C)**Viscosity:** 3 cps @ 68°F (20°C)**Specific Gravity:** 1.104 @ 68/39.8°F (20/4°C)**H₂O Solubility:** soluble in water.**Section 4. Fire and Explosion Data****Flash Point:** 354.2°F (179°C) **LEL**=1.3% **UEL**=8.5%**Autoignition Temperature:** 615.2°F (324°C)**Extinguishing Media:** Water spray, dry chemical, alcohol foam, or carbon dioxide.**Unusual Fire or Explosion Hazards:** Not considered an explosive hazard.**Fire Fighting Procedures:** In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face-piece operated in the pressure demand or other positive pressure mode.**Section 5. Reactivity Data****Stability:** Stable**Hazardous Decomposition Products:** Burning may produce ammonia, carbon monoxide, carbon dioxide, nitrogen oxides. Hydrogen gas.**Hazardous Polymerization:** No.**Incompatibilities:** Copper, copper alloys, galvanized iron, strong oxidizers, strong acids. Product may potentially react with various halogenated organic solvents.**Conditions to Avoid:** Do not heat above 60°C in presence of aluminum due to excessive corrosion and potential chemical reaction releasing gas.

PC101 TEA**Section 6. Health Hazards Data**

Primary Route of entry: skin absorption, ingestion and inhalation.

Health Hazard: Severe eye irritation, severe skin and upper respiratory irritation are possible.

Eye Contact: Vapors are irritating to the eyes; with redness and blurred vision. Prolonged vapor contact may cause conjunctivitis.

Skin Contact: Exposure can cause reddening, itching and swelling. Persons previously sensitized can experience allergic skin reactions like reddening, itching and swelling.

Ingestion: May cause irritation. Symptoms may include abdominal pain, nausea, vomiting and diarrhea.

Carcinogenicity: Not listed as a potential and anticipated carcinogenic substance as defined by OSHA, NTP or IARC

FIRST AID PROCEDURES

Because of the toxic and highly absorptive nature of Acrylamide, quickly providing first aid helps to minimize health effects.

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

Ingestion: Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Call a physician.

Skin Contact: Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

Section 7. Employee Protection Recommendations

Ventilation System: A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

Personal Respirators (NIOSH Approved): If the exposure limit is exceeded, a half-face or full-face respirator with an organic vapor cartridge and high efficiency dust/mist filter may be worn. This compound possibly exists in both particulate and vapor phase. A gas/vapor cartridge should be used in addition to the particulate filter. If the vapor concentration alone exceeds the exposure limits, use a supplied air respirator, because warning properties are unknown for these compounds.

Skin Protection: Rubber or neoprene gloves and additional protection including impervious boots, apron, or coveralls, as needed in areas of unusual exposure.

Eye Protection: Use chemical safety goggles and/or full-face shield where dusting or splashing of solutions is possible. Maintain eye wash fountain and quick-drench facilities in work area.

Other Control Measures: Comments: Stress good personal cleanliness and housekeeping to prevent skin contact. Wear clean work clothing daily. Do not home launder. If clothes become contaminated, remove at once, wash the skin with soap and water and launder clothing before reuse. Destroy contaminated leather goods.

Section 8. Spill and Leak Procedures

Notify safety personnel, isolate and ventilate the area. Stay up wind. Remove all ignition sources. Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved incinerator or disposed in a RCRA approved waste facility. Dispose of container and unused contents in accordance with federal, state and local requirements.

Section 9. Special Precautions

Storage: Prevent physical damage to containers. Store in original packaging, in a cool, dry, well-ventilated area, away from sunlight and incompatibles, and food.

Section 10. Toxicological Information

Oral rat LD50: 8000 mg/kg Irritation data: Skin rabbit: 560 mg/24 Hr mild; Eye rabbit: 5620 ug severe;

Section 11. Transportation

DOT Shipping name: N/A

DOT Hazard Class: N/A

ID No.: N/A

DOT Packing Group: N/A

Packing Instr.: N/A

DOT Label: N/A

Section 12. Federal Regulatory Information

SARA 311/312: Acute: Yes Chronic: No Fire: No Pressure: No Reactivity: No
CERCLA Reportable Quantity: none

The information contained herein is furnished without warranty of any kind. Users should consider this data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers.

N/A - Not Applicable

N/D - Not Determined

< - Less Than

> - Greater Than

~ - Approximately
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