

MATERIAL SAFETY DATA SHEET

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Person to contact: Safety Officer  
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**ONLY IN THE EVENT OF A CHEMICAL EMERGENCY INVOLVING A SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CONTACT:**

**CHEMTREC: UNITED STATES: 800-424-9300**  
**INTERNATIONAL: 202-483-7616 (COLLECT)**

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I. Identification

- \* Product Name: Triplet Quencher  
CAT No: 7040-00-0100
- \* Product Name: Triplet Quencher  
CAT No: 7120-00-7960
- \* Product Name: Cot Injector  
CAT No: 7121-00-2270
- \* Product Name: T/Q E/L SPTL-1  
CAT No: 7121-00-2410

II. Product and Component Hazard Data

- \* Components:  
Ethylene Glycol,  
1,3,5,7 – Cyclooctatetraene,  
N,N - Dimethylformamide

III. Physical Data

- \* Appearance and Odor: Amber mobile liquid with strong odor.
- \* Boiling Point: 311°F.
- \* Vapor Pressure: 0.05 mm Hg.
- \* Specific Gravity: 1.1.
- \* Solubility in Water: Complete

IV. Fire and Explosion Hazard Data

- \* Flash Point: 84°F.
- \* Extinguishing Media: Water Spray, Dry Chemical, Carbon Dioxide
- \* Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing.
- \* Unusual Fire and Explosion Hazards: Fire or excessive heat may produce hazardous decomposition products. Apply from as far a distance as possible. Avoid breathing vapors.

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### V. Reactivity Data

- \* Stability: Stable under normal temperatures and pressures. Store in cool, dry, dark area, preferably refrigerated enclosure.
- \* Incompatibility: Strong oxidizer.
- \* Hazardous Decomposition Products: Combustion will produce CO<sub>2</sub> and CO.
- \* Decomposition: May release toxic oxides of carbon.
- \* Incompatibilities: Perchloric Acid, Phosphorous Sulfide, Sulfuric Acid, Oleum, Chlorosulfonic Acid, and strong oxidants.

### VI. Toxicity and Health Hazard Data

- \* Exposure Limits: Not established.
- \* Exposure Effects: Not established.
- \* Health Effects and First Aid:
  - \* Inhalation: Inhalation of fumes from open container at room temperature is possible. Symptoms are headache, cyanosis, vomiting, hypotension, amnesia and coma. Remove to fresh air. Treat symptomatically. If symptoms are present, get medical attention.
  - \* Skin: Liquid contact defats skin. Only minor skin irritation and penetration have been reported. Remove contaminated clothing and shoes immediately. Wash affected area with soap or mild detergent and large amounts of water. Get medical attention if unusual symptoms occur.
  - \* Eye contact: Liquid splashed in a human eye can cause inflammation of conjunctiva. Immediately flush the eyes with plenty of water for 15 minutes. Get medical attention if symptoms are present.
  - \* Ingestion: Initial symptoms are those of ethanol inebriation, followed by drunkenness, ataxia, vertigo, progressing to stupor and finally coma, possibly with transient convulsions. If victim is conscious and not convulsive, immediately give 2 to 4 glasses of water and induce vomiting by touching finger to back of throat. If breathing stops, give artificial respiration. Get medical attention immediately.

### VII. Ventilation and Personal Protection.

- \* Ventilation: Provide general dilution ventilation. Local exhaust required for open bottle.
- \* Respiratory Protection: An OSHA/MSHA approved respirator should be worn if needed.
- \* Skin and Eye Protection: Protective gloves should be worn. Safety glasses should be worn. Tyvek lab safety clothing should be worn, if splashing is possible.

### VIII. Special Storage and Handling Precautions

- \* Store in a cool, dry, dark area, preferably refrigerated enclosure. Keep from contact with oxidizing materials.

### IX. Spill, Leak and Disposal Procedures

- \* Absorb spilled liquid with vermiculite, dry sand, earth or similar material for disposal of waste. Discharge treatment or disposal may be subject to federal, state or local laws.

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