

### **Section 1 - General Information**

**Chemical Name:**

L-(+)-Ergothioneine

**CAS Reg. Number:**

497-30-3

**Preparation Date/Revision Date:**

7/18/2008

**Manufacturer's Name:**

Toronto Research Chemicals Inc.,

2 Brisbane Rd., North York, ON

Canada, M3J 2J8

**Telephone Number:**

416-665-9696

**Fax Number:**

416-665-4439

### **Section 2 - Hazardous Ingredients/Identity Information**

EMERGENCY OVERVIEW Caution: The chemical, physical, and toxicological properties of this product have not been thoroughly investigated. Exercise due care.

### **Section 3 - Physical/Chemical Characteristics**

**Boiling Point:**

N/A

**Appearance and Odor:**

white crystalline solid

**Vapor Pressure:**

N/A

**Specific Gravity(H<sub>2</sub>O=1):**

N/A

**Solubility in Water:**

Yes

**Melting Point:**

256-257°C

**Evaporation Rate (ButylAcetate=1):**

N/A

**Vapor Density:**

N/A

### **Section 4 - Reactive Data**

**Stability:**

Stable

**Incompatibility (Materials to Avoid):**

Strong oxidizing agents

**Conditions to Avoid:**

Oxidizers, moisture

**Hazardous Decomposition or Byproducts:**

Toxic Fumes of: Carbon Monoxide, Carbon Dioxide Nitrogen Oxides,sulfur oxides

**Hazardous Polymerization:**

will not occur

### **Section 5 - Control Measures**

**Respiratory Protection:**

Niosh/Msha approved respirator

**Ventilation:**

Hood

**Protective Gloves:**

chemical resistant gloves

**Eye Protection:**

safety goggles

**Other Protective Clothing:**

lab coat, apron

**Other Protection:**

### **Section 6 - First Aid Measures**

**Inhalation:**

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

**Skin:**

Wash with soap and copious amounts of water for at least 15 minutes.

**Ingestion:**

Rinse mouth out with water provided the person is conscious. Seek medical attention.

**Eyes:**

Flush with copious amounts of water for at least 15 minutes

**Section 7 - Health Hazard Data****Health Hazards (Acute and Chronic):**

ROUTE OF EXPOSURE Skin Contact: May cause skin irritation. Skin Absorption: May be harmful if absorbed through the skin. Eye Contact: May cause eye irritation. Inhalation: Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled. Ingestion: May be harmful if swallowed. SIGNS AND SYMPTOMS OF EXPOSURE To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated

**Medical Conditions Generally Aggravated by Exposure:**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**Section 8 - Precautions for Safe Handling and Use****Steps to be Taken in Case Material is Released or Spilled:**

Wear appropriate chemical resistant apparel. Ventilate area and wash spill site after material pickup is complete.

**Waste Disposal Method:**

Cover with dry lime or soda ash, pick up, keep in a closed container and hold for disposal.

**Precautions to Be Taken in Handling and Storage:**

Keep tightly closed. Store in a cool dry place.

**Section 9 - Fire and Explosion Hazard Data****Extinguishing Media:**

Water spray. Carbon Dioxide, dry chemical powder or appropriate foam.

**Special Fire Fighting Procedures:**

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

**Unusual Fire and Explosion Hazards:**

Emits Toxic fumes under fire conditions.

**Section 10 - Transportation Information and regulatory information**

Transportation Information DOT Proper Shipping Name: None Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport. IATA Non-Hazardous for Air Transport: Non-hazardous for air transport.