Section 1 - General Information
Chemical Name:
L-Cysteine-Glutathione Disulfide
CAS Reg. Number:
13081-14-6
Preparation Date/Revision Date:
6/13/2002
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
The toxicological properties of this compound have not been thoroughly investigated. Exercise due care.

Section 3 - Physical/Chemical Characteristics
Boiling Point:
N/A
Appearance and Odor:
white crystalline powder
Vapor Pressure:
N/A
Specific Gravity(H2O=1):
N/A
Solubility in Water:
N/A
Melting Point:
231-233°C
Evaporation Rate (ButylAcetate=1):
N/A
Vapor Density:
N/A

Section 4 - Reactive Data
Stability:
Good
Incompatibility (Materials to Avoid):
Strong Oxidizing Agents
Conditions to Avoid:
Strong oxidizers
Hazardous Decomposition or Byproducts:
Toxic fumes Carbon monoxide, carbon dioxide, nitrogen oxides and sulfur dioxide
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:
Safety shower and eyewash

Section 6 - First Aid Measures
Inhalation:
If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.
Skin:
In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.
Ingestion:
If swallowed, wash out mouth with water provided person is conscious. Call a physician.
Eyes:
In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers.

Section 7 - Health Hazard Data
Health Hazards (Acute and Chronic):
THE TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.
Medical Conditions Generally Aggravated by Exposure:
THE 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 respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.
Waste Disposal Method:
Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local environmental regulations.
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:
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:
MAY EMIT TOXIC FUMES UNDER FIRE CONDITIONS

Section 10 - Transportation Information and Regulatory Information