MATERIAL SAFETY DATA SHEET

OSHA requires that this form be kept on file.

Product No. S71916
Product Name: AMMONIUM THIOCYANATE

SECTION I NAME

Chemical Synonyms: Ammonium Sulfocyanate
Formula: NH₄ SCN
C.A.S. No.: 1762-95-4

SECTION II HAZARDOUS INGREDIENTS OF MIXTURES

Principal Hazardous Component(s):
Ammonium Thiocyanate

Solubility: 64%
Appearance & Odor: Colorless, Deliquescent crystals.

SECTION III PHYSICAL DATA

Melting Point (F): 149°C
Boiling Point (F): N/A
Vapor Pressure (mm Hg): N/A
Vapor Density (Air=1): N/A
Appearance & Odor: Colorless, Deliquescent crystals.

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): 115°C (COC)
Extinguisher Media: Water spray, carbon dioxide, dry chemical powder, alcohol or polymer foam.

SECTION V HEALTH HAZARD DATA

Threshold Limit Value:
None established.

Effects of Overexposure:
ROUTE(S) OF ENTRY: Inhalation, Ingestion, Skin absorption
HEALTH HAZARDS (ACUTE AND CHRONIC): Skin irritant. Eye irritant. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. Toxicity Data: orl-rat LD₅₀ 500 mg/kg, orl-mus LD₅₀ 750 mg/kg, ip-rat LD₅₀ 500 mg/kg, ip-pog LD₅₀ 500 mg/kg.

Emergency and First Aid Procedures:
In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes. In case of contact, immediately wash skin with soap and copious amounts of water. If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Call a physician. Wash contaminated clothing before reuse.

Stability:
N/A

Incompatibility (Materials to Avoid):
Strong oxidizing agents and strong acids.

Hazardous Decomposition Products:
Toxic fumes of carbon monoxide, carbon dioxide, nitrogen oxides and sulfur oxides.

SECTION VII SPILL OR LEAK PROCEDURES:
Steps to be Taken in Case Material is Released or Spilled:
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. Ventilate area and wash spill site after material pickup is complete.

Waste Disposal Method:
Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only. For small quantities: cautiously add to a large stirred excess of water. Adjust the pH to neutral, separate any insoluble solids or liquids and package them for hazardous waste disposal. Flush the aqueous solution down the drain with plenty of water. The hydrolysis and neutralization reactions may generate heat and fumes which can be controlled by the rate of addition.

SECTION VIII SPECIAL PROTECTION INFORMATION
Respiration Protection (Specify Type):
NOISH/MSHA approved respirator.
Ventilation:
Local Exhaust: None
Mechanical (General): None
Protective Gloves:
Rubber gloves
Eye Protection: Chemical safety goggles
Other Protective Equipment:
Safety shower and eye bath.

SECTION IX SPECIAL PRECAUTIONS
Precautions to be Taken in Handling & Storing:
Keep container tightly closed when not in use.
Avoid contact and inhalation. Do not get in eyes, on skin, on clothing. Harmful solid. Irritant. Wash thoroughly after handling.

Other Precautions:
Read label on container before using. Do not wear contact lenses when working with chemicals.

None

Approved by Steven C. Quandt
Effective Date: 06/06/2001

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.