NAME USED ON LABEL: COPPER II TRIFLUOROMETHANESULFONATE - CXCU083
CHEMICAL NAME: COPPER II TRIFLUOROMETHANESULFONATE
SYNONYMS: CUPROUS TRIFLATE
CHEMICAL FAMILY: COPPER II COMPOUND
FORMULA: C$_2$F$_6$O$_6$S$_2$Cu.
HMIS CODES
HEALTH: 3 FLAMMABILITY: 2 REACTIVITY: 0

INGREDIENTS

IDENTITY CAS NO. % TLV
COPPER TRIFLUOROMETHANESULFONATE 34946-82-2 >95 not established

PHYSICAL DATA

Boiling Point: NA Melting Point: >400°C (72-8°C-dehydrates)
Specific Gravity: >1 Vapor Pressure, 25°: not determined
Vapor Density: NA Solubility in water: soluble
% volatiles NA Evaporation rate: NA
Molecular Weight: 361.68 Other: NA
Appearance & Color: Pale blue solid, turns dark blue on hydration

FIRE & EXPLOSION DATA

Flash Point, COC: NA Autoignition Temp.: NA
Flammability Limits- LEL: NA UEL: NA

Extinguishing Media: Water spray, foam, carbon dioxide, dry chemical.
Special Fire Fighting Procedures: Avoid eye and skin contact. Do not breathe fumes or inhale vapors.
Unusual Fire and Explosion Hazards: Irritating fumes and caustic vapors may develop when material is exposed to elevated temperatures or open flame.

-1-(CXCU083)
ENVIRONMENTAL INFORMATION

Spill response: Sweep material and transfer to a suitable container for disposal.

Recommended Disposal: Dispose of as solid waste. Follow all chemical pollution control regulations.

HEALTH HAZARD DATA

Eye Contact: May cause immediate or delayed severe eye irritation.

Skin contact: May produce irritation or contact dermatitis. Prompt and thorough washing with soap and water will reduce or eliminate potential dermal effects.

Inhalation: Inhalation of dust or particulates may irritate the respiratory tract.

Oral Toxicity: not determined
Chronic Toxicity: not determined

SUGGESTED FIRST AID

EYES: In case of contact, immediately flush eyes with flowing water for at least 15 minutes. Get medical attention.

SKIN: Flush with water, then wash with soap and water.

INHALATION: Move exposed individual to fresh air. Administer oxygen if needed. Call a physician.

INGESTION: Never give fluids or induce vomiting if patient is unconscious or having convulsions. Get medical attention.

REACTIVITY DATA

Stability: Stable at room temperature.
Conditions to avoid: Oxidizing agents, soluble carbonates and phosphates, sulfuric acid.
Hazardous decomposition products: Organic acid and organic vapors and copper oxide fumes.

-2-(CXCU083)
SPECIAL PROTECTION INFORMATION

Ventilation: Local exhaust is required. Mechanical is recommended.
Respiratory Protection: If exposure exceeds TLV, NIOSH approved dust and mist respirator.
Eye and Face Protection: Chemical worker’s goggles. Do not wear contact lenses.
Other Clothing and Equipment: Rubber, neoprene or nitrile gloves. An eyewash and emergency shower should be available. Launder clothing before reuse.

OTHER PRECAUTIONS

For research use only.

Storage and Handling: Store in sealed containers. Material is hygroscopic, absorbing water on exposure to air.

TRANSPORTATION

DOT SHIPPING NAME: CHEMICALS, NOI
DOT HAZARD CLASS: None required
DOT LABEL: None required
DOT ID No: None required

Prepared by safety and environmental affairs ISSUE DATE CXCU083: 7/6/07
SUPERSEDES: none

The information contained in this document has been gathered from reference materials and/or Gelest, Inc. test data and is to the best knowledge and belief of Gelest, Inc. accurate and reliable. Such information is offered solely for your consideration, investigation and verification. It is not suggested or guaranteed that the hazard precautions or procedures described are the only ones which exist. Gelest, Inc. makes no warranties, express or implied, with respect to the use of such information and assumes no responsibility therefore. Information on this safety data sheet is not intended to constitute a basis for product specifications.