

GELEST, INC.

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MATERIAL SAFETY
DATA SHEET

EMERGENCY TELEPHONE
CHEMTREC: 1-800-424-9300

NAME USED ON LABEL: **COPPER I HEXAFLUOROPENTANEDIONATE 2-BUTYNE
COMPLEX - AKC252.5**

CHEMICAL NAME: COPPER I HEXAFLUOROPENTANEDIONATE 2-BUTYNE COMPLEX

SYNONYMS: COPPER HFAC BUTYNE

CHEMICAL FAMILY: COPPER COMPOUND

FORMULA: C₁₃H₁₃O₂F₆Cu

HMIS CODES HEALTH: 3 FLAMMABILITY: 3 REACTIVITY: 1

INGREDIENTS

IDENTITY	CAS NO.	%	TLV
COPPER I HEXAFLUOROPENTANEDIONATE-2-BUTYNE COMPLEX	137007-13-7	>95	not established (OSHA PEL as Cu: 1mg/m ³)

PHYSICAL DATA

Boiling Point: 40° at 0.1mm sublimes	Melting Point: 68-73° decomposes
Specific Gravity: not determined	Vapor Pressure, 20°C: <0.1mm
Vapor Density (air=1): >1	Solubility in water: insoluble
% volatiles: NA	Evaporation rate: NA
Molecular Weight: 324.68	Other: N/A
Appearance & Color: light green-yellow solid, characteristic odor	

FIRE & EXPLOSION DATA

Flash Point, COC: NA Autoignition Temp.: not determined
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 organic acid vapors may develop when material is exposed to elevated temperatures or open flame.

-1-(AKC252.5)

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. Decomposition products are potentially sensitizing.

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 below 25°C. Slowly decomposes at elevated temperature.

Conditions to avoid: Material decomposes slowly in contact with air by reaction with water.

Hazardous decomposition products: Organic acid and fluorinated organic vapors and copper oxide fumes.

-2-(AKC252.5)

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 cool area in sealed containers.

TRANSPORTATION

DOT SHIPPING NAME: None required
DOT HAZARD CLASS: None required
DOT LABEL: None required
DOT ID No: None required

Prepared by safety and environmental affairs ISSUE DATE AKC252.5: 10/8/02
SUPERSEDES: 10/27/92

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