

GELEST, INC.

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MATERIAL SAFETY
DATA SHEET

EMERGENCY TELEPHONE
CHEMTREC: 1-800-424-9300

NAME: **SILVER I HEXAFLUOROPENTANEDIONATE CYCLOOCTADIENE COMPLEX - AKS724**
CHEMICAL NAME: SILVER I HEXAFLUOROPENTANEDIONATE CYCLOOCTADIENE
COMPLEX

SYNONYMS: SILVER HFAC COD

CHEMICAL FAMILY: SILVER COMPOUND

FORMULA: C₁₃H₁₃O₂F₆Ag

HMIS CODES HEALTH: 3 FLAMMABILITY: 2 REACTIVITY: 1

INGREDIENTS

IDENTITY	CAS NO.	%	TLV
SILVER I HEXAFLUOROPENTANEDIONATE-CYCLOOCTADIENE COMPLEX	38892-25-0	>95	not established (ACGIH TLV-TWA: 0.01mg/m ³ as Ag)

PHYSICAL DATA

Boiling Point: not determined
Specific Gravity: not determined
Vapor Density: NA
% volatiles: NA
Molecular Weight: 423.10
Appearance & Color: Off-white to brown solid

Melting Point: 118-9°C
Vapor Pressure: not determined
Solubility in water: insoluble
Evaporation rate: NA
Other: NA

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.

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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. Turns brown on exposure to sunlight.

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

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

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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: CHEMICALS, NOI

DOT HAZARD CLASS: None required

DOT LABEL: None required

DOT ID No: None required

Prepared by safety and environmental affairs

MSDS ISSUE DATE AKS724: 3/31/15

SUPERSEDES: 1/30/03

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