

MATERIAL SAFETY DATA SHEET

Manufacturer: Strem Chemicals, Inc.
7 Mulliken Way
Newburyport, MA 01950-4098

STREM CUSTOMER SERVICE: (978) 462-3191
CHEMTREC (EMERGENCY ONLY): (800) 424-9300
POISON CENTER: (800) 562-8236

SECTION 1 Product Identification

CHEMICAL NAME: Silver cyclohexanebutyrate (AAS)

PRODUCT NUMBER: 93-4709

CAS REGISTRY NUMBER: 62638-04-4

FORMULA: Ag[OOC(CH₂)₃C₆H₁₁]

EINECS NUMBER: 263-667-9

CHEMICAL FAMILY: metal carboxylate

SYNONYM: 4-cyclohexylbutyric acid, silver salt

SECTION 2 Composition and Information on Ingredients

INGREDIENT:	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Title Compound	62638-04-4	100	no data	no data

SECTION 3 Hazards Identification

EMERGENCY OVERVIEW: Irritating to skin and eyes. May be irritating to the respiratory tract. May be harmful if swallowed.

PRIMARY ROUTES OF EXPOSURE: Ingestion, Inhalation

EYE CONTACT: Causes slight to mild irritation of the eyes.

SKIN CONTACT: Causes slight to mild irritation of the skin. Contact with the skin can lead to formation of dark blotches (silver staining)

INHALATION: Dust may be irritating to the nose, mucous membranes and respiratory tract.

INGESTION: No information on the physiological effects of ingestion.

ACUTE HEALTH EFFECTS: Irritating to skin and eyes. May be irritating to the respiratory tract.

CHRONIC HEALTH EFFECTS: No information available on long-term chronic effects.

NTP: No IARC: No OSHA: No

SECTION 4 First Aid Measures

EYE EXPOSURE: Immediately flush the eyes with copious amounts of water for at least 10-15 minutes. A victim may need assistance in keeping their eye lids open. Get immediate medical attention.

SKIN EXPOSURE: Wash the affected area with soap and water. Remove contaminated clothes if necessary. Seek medical assistance if irritation persists.

INHALATION: Remove the victim to fresh air. Closely monitor the victim for signs of respiratory problems, such as difficulty in breathing, coughing, wheezing, or pain. In such cases seek immediate medical assistance.

INGESTION: Seek medical attention immediately. Keep the victim calm. Give the victim water (only if conscious).

SECTION 5 Fire Fighting Measures

FLASH POINT: not applicable

AUTOIGNITION TEMPERATURE: none

EXPLOSION LIMITS: none

EXTINGUISHING MEDIUM: carbon dioxide, dry powder or foam

SPECIAL FIRE FIGHTING PROCEDURES: If involved in a fire, fire fighters should be equipped with a NIOSH approved positive pressure self-contained breathing apparatus and full protective clothing.

HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: If involved in a fire this material may emit toxic organic fumes.

UNUSUAL FIRE OR EXPLOSION HAZARDS: No unusual fire or explosion hazards.

SECTION 6 Accidental Release Measures

SPILL AND LEAK PROCEDURES: Small spills can be mixed with vermiculite or sodium carbonate and swept up.

SECTION 7 Handling and Storage

HANDLING AND STORAGE: Store in a sealed container. Keep away from heat and moisture.

SECTION 8 Exposure Controls and Personal Protection

EYE PROTECTION: Always wear approved safety glasses when handling a chemical substance in the laboratory.

SKIN PROTECTION: Wear appropriate chemical resistant gloves and protective clothing.

VENTILATION: Material may form a fine dust. If possible, handle the material in an efficient fume hood.

RESPIRATOR: If in form of fine dust and ventilation is not available a respirator should be worn. The use of respirators requires a Respirator Protection Program to be in compliance with 29 CFR 1910.134.

ADDITIONAL PROTECTION: No additional protection required.

SECTION 9 Physical and Chemical Properties

COLOR AND FORM: off-white pwdr.

MOLECULAR WEIGHT: 227.11

MELTING POINT (°C): none

BOILING POINT (°C): no data

VAPOR PRESSURE: not applicable

SPECIFIC GRAVITY: no data

ODOR: none

SOLUBILITY IN WATER: insoluble

SECTION 10 Stability and Reactivity

STABILITY: air and moisture stable solid

HAZARDOUS POLYMERIZATION: no hazardous polymerization

CONDITIONS TO AVOID: none

INCOMPATIBILITY: oxidizing agents

DECOMPOSITION PRODUCTS: Carbon dioxide, carbon monoxide, organic vapors, and metal oxides and carbonates.

SECTION 11 Toxicological Information

RTECS DATA: No information available in the RTECS files.

CARCINOGENIC EFFECTS: No data available

MUTAGENIC EFFECTS: No data available

TETRATOGENIC EFFECTS: No data available

SECTION 12 Ecological Information

ECOLOGICAL INFORMATION: Avoid release to the environment. Harmful to aquatic organisms.

SECTION 13 Disposal Considerations

DISPOSAL: Dispose of according to local, state and federal regulations.

SECTION 14 Transportation Information

SHIPPING NAME (CFR): Non-hazardous

HAZARD CLASS (CFR): NA

ADDITIONAL HAZARD CLASS (CFR): NA

PACKING GROUP (CFR): NA

UN ID NUMBER (CFR): NA

SHIPPING NAME (IATA): Non-hazardous

HAZARD CLASS (IATA): NA

ADDITIONAL HAZARD CLASS (IATA): NA

PACKING GROUP (IATA): NA

UN ID NUMBER (IATA): NA

SECTION 15 Regulatory Information

TSCA: Listed in the TSCA inventory.

SARA (TITLE 313): Title compound: See Category Code N740 for reporting.

SECOND INGREDIENT: none

THIRD INGREDIENT: none

SECTION 16 Other Information

DISCLAIMER: The information herein is believed to be accurate and reliable as of the date compiled. However, Strem Chemicals, Inc. makes no representation, warranty, or guarantee of any kind with respect to the information contained in this document or any use of the product based on this information.

PREPARATION DATE: 12/28/00

REVISION DATE: 06/21/04