



MATERIAL SAFETY DATA SHEET

Manufacturer: Strem Chemicals, Inc
7 Mulliken Way
Newburyport, MA 01950-4098 U.S.A.
www.strem.com

Strem Customer Service (978) 499-1600
CHEMTREC (Emergency Only) (800) 424-9300
Poison Center (800) 562-8236

Section 1: Product Identification

Chemical Name: Silver bromide (99.9%-Ag)
Product Number: 93-4705
CAS Registry Number: 7785-23-1
Formula: AgBr
EINECS Number: 232-076-8
Chemical Family: metal halide
Synonym: Argentous bromide

Section 2: Composition and Information on Ingredients

Ingredient	CAS Number	Percent	ACGIH (TWA)	OSHA (PEL)
Title Compound	7785-23-1	100%	no data	no data

Section 3: Hazards Identification

Emergency Overview: Dust may be irritating to the respiratory tract, skin and eyes. May be harmful if swallowed. Chronic exposure may lead to a skin discoloration.

Primary Routes of Exposure: Contact with skin and eyes. Inhalation of dust.

Eye Contact: May be a mild irritant to the eyes.

Skin Contact: May cause slight to mild irritation of the skin. Contact with the skin can lead to formation of dark blotches (silver staining)

Inhalation: Inhalation of dust can lead to irritation of the respiratory tract.

Ingestion: Ingestion may lead to dizziness, abdominal cramps, vomiting, bloody diarrhea, weakness, and convulsions.

Acute Health Affects: May be irritating to skin, eyes and respiratory tract.

Chronic Health Affects: Long term exposure to silver and silver salts can lead to the condition known as argyria - a general gray pigmentation of the skin and mucous membranes.

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 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). Induce vomiting only if directed by medical personnel.



MATERIAL SAFETY DATA SHEET

Manufacturer: Strem Chemicals, Inc
7 Mulliken Way
Newburyport, MA 01950-4098 U.S.A.
www.strem.com

Strem Customer Service (978) 499-1600
CHEMTREC (Emergency Only) (800) 424-9300
Poison Center (800) 562-8236

SECTION 5: Fire Fighting Measures

Flash Point: not applicable
Autoignition Temperature: none
Explosion Limits: none
Extinguishing Medium: none required
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: none
Unusual Fire or Explosion Hazards: No unusual fire or explosion hazards.

SECTION 6: Accidental Release Measures

Spill and Leak Procedures: To avoid raising dust, small spills may be mixed with diatomaceous earth, sand, vermiculite or other suitable inert material and swept up.

SECTION 7: Handling and Storage

Handling and Storage: Store solid in a tightly sealed container away from light.

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 protective clothes and gloves. Consult glove manufacturer to determine the proper type of glove.
Ventilation: 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.
Ventilation: If possible, handle the material in an efficient fume hood.
Additional Protection: No additional protection required.

SECTION 9: Physical and Chemical Properties

Color and Form: yellow powdr.
Molecular Weight: 187.78
Melting Point: 432°
Boiling Point: no data
Vapor Pressure: no data
Specific Gravity: 6.473
Odor: none
Solubility in Water: insoluble

SECTION 10: Stability and Reactivity

Stability: light sensitive
Hazardous Polymerization: no hazardous polymerization
Conditions to Avoid: light exposure
Incompatibility: chlorine and active metals
Decomposition Products: none



MATERIAL SAFETY DATA SHEET

Manufacturer: Strem Chemicals, Inc
7 Mulliken Way
Newburyport, MA 01950-4098 U.S.A.
www.strem.com

Strem Customer Service (978) 499-1600
CHEMTREC (Emergency Only) (800) 424-9300
Poison Center (800) 562-8236

SECTION 11: Toxicological Information

RTECS Data: No information available in the RTECS files.
Carcinogenic Effects: no data
Mutagenic Effects: no data
Tetratogenic Effects: no data

SECTION 12: Ecological Information

Ecological Information: No information available

SECTION 13: Disposal Considerations

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

SECTION 14: Transportation

Shipping Name (CFR): Non-hazardous
Hazard Class (CFR): NA
Additional Hazard Class (CFR): NA
Packaging Group (CFR): NA
UN ID Number (CFR): NA
Shipping Name (IATA): Non-hazardous
Hazard Class (IATA): NA
Additional Hazard Class (IATA): NA
Packaging 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: 9/15/2001
Revision Date: 7/29/2011

Strem Chemicals, Inc.
7 Mulliken Way
Newburyport, MA 01950-4098 USA
Tel: (978) 499 1600
Fax: (978) 465 3104
Toll free (in USA & Canada)
Tel: (800) 647 8736
Fax: (800) 517 8736
info@strem.com

Strem Chemicals, Inc.
15, rue de l'Atome, Z.I.
67800 BISCHHEIM (France)
Tel: (33) 03 88 62 52 60
Fax: (33) 03 88 62 26 81
info.europe@strem.com

Strem Chemicals, Inc.
Postfach 1215
77672 KEHL (Germany)
Telefon: 0 78 51/ 7 58 79
info.europe@strem.com

Strem Chemicals UK, Ltd.
41 Hills Road
Cambridge, England CB2 1NT
Tel: 0845 643 7263
Fax: 0845 643 7362
enquiries@strem.co.uk