



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
Avon, New York 14414
(716) 226-6177

MSDS No. SS 158
Effective Date April 26, 1999

SECTION V HEALTH HAZARD DATA

SS 158

Threshold Limited Value

Airborne Exposure Limits: As silver soluble
compounds: TWA: 0.01 mg/m³ (ACGIH 1992-93).

Effects of Overexposure

Low toxicity, but absorption of silver compounds over a long period of time may cause argyria (grayish discoloration of various tissues, e.g. conjunctivae). Many silver salts are irritating to skin, eyes and mucous membranes. Exercise appropriate procedures to minimize potential hazards.

Emergency and First Aid Procedures

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
SKIN: Flush with water, then wash with mild soap and water. **INGESTION:** If swallowed, if conscious, give one or two glasses of water to drink and call a physician. Never give anything by mouth to an unconscious person.
EYES: Flush thoroughly with water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention.

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Stable under ordinary conditions of use and storage. Protect from light.
	Stable	X		

Incompatibility (Materials to Avoid)	Explosive compounds (nitride or fulminate) may be formed in the presence of ammonia or hydrazine, acetylene and hydrogen peroxide, strong acids.
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Hazardous Decomposition Products	Silver as metal or fume and carbon dioxide and/or carbon monoxide.
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Hazardous Polymerization		Conditions to Avoid
May Occur	Will Not Occur	Not applicable.
	X	

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled	Spillage should be swept or mopped up and retained for the recovery of silver.
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Waste Disposal Method	Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only. Send to refiners for the recovery of silver. Dispose of in an approved chemical landfill or contract with a licensed waste disposal agency.
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SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None needed in normal laboratory handling. If dusty conditions prevail, work in a ventilation hood or wear a NIOSH/MSHA approved dust mask.			
Ventilation	Local Exhaust	Yes, if dusty.	Special	No.
	Mechanical (General)	Yes, if dusty.	Other	No.
Protective Gloves	Rubber.		Eye Protection	Chemical safety glasses.
Other Protective Equipment	Lab coat, goggles, eye wash station, proper gloves, ventilation hood.			

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Keep container tightly closed when not in use. Store in a cool, dry, well-ventilated place away from acid and ammonia fumes. Protect from light. Wash thoroughly after handling.
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Other Precautions	Read label on container before using. Do not wear contact lenses when working with chemicals.
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Contact with skin causes discoloration of skin. Avoid inhalation of dust. Remove and wash contaminated clothing.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Revision	No. 5	Date	4/26/99	Approved	Michael Raszeja	Chemical Safety Coordinator	MR
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The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. * Hazardous Materials Industrial Standards. Printed on recycled paper.

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	SILVER ACETATE
Chemical Synonyms	Argentous Acetate
Formula	CH ₃ COOAg
Unit Size	up to 500 grams
C.A.S. No.	563-63-3

CHEMTREC
800-424-9300
Day 716-226-6177

NFPA HAZARD RATING
LEAST SLIGHT MODERATE HIGH EXTREME
0 1 2 3 4

Health	2
Fire	0
Reactivity	0

HMIS *

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Silver Acetate	100%	See Section V.
WARNING! MAY BE HARMFUL IF INHALED		
OR SWALLOWED. CAUSES IRRITATION TO		
SKIN, EYES AND MUCOUS MEMBRANES.		

SECTION III PHYSICAL DATA

Melting Point (°F)	Decomposes.	Specific Gravity (H ₂ O = 1)	3.259 at 15°C
Boiling Point (°F)	Decomposes.	Percent Volatile by Volume (%)	Not volatile.
Vapor Pressure (mm Hg)	Data not listed.	Evaporation Rate (≈1)	N/A
Vapor Density (Air=1)	Data not listed.		
Solubility in Water	1 gram per 100 mL. cold water, 1 gram in 35 mL. boiling water.		
Appearance & Odor	White to slightly grayish, lustrous needles or crystalline powder; slight acidulous odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-combustible.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
Extinguisher Media	Use any media suitable for extinguishing supporting fire.				

SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA approved self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

UNUSUAL FIRE AND EXPLOSION HAZARDS

FIRE: Not a fire hazard. **EXPLOSION:** Not an explosion hazard. Fire or excessive heat may produce hazardous decomposition products of silver as metal and fumes.

D.O.T. NON-REGULATED.

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20