

Material Safety Data Sheet Silver trifluoromethanesulfonate, 99+%

MSDS# 22364

MSDS Name: Silver trifluoromethanesulfonate, 99+% Catalog Numbers: AC175200000, AC175200100, AC175200250 Synonyms: Trifluoromethanesulfonic acid, silver (1+) salt; Silver triflate Acros Organics BVBA Acros Organics BVBA
Synonyms: Trifluoromethanesulfonic acid, silver (1+) salt; Silver triflate Acros Organics BVBA
Acros Organics BVBA
6
Company Identification:Janssen Pharmaceuticalaan 3a2440 Geel, Belgium
Company Identification: (USA)Acros OrganicsFair Lawn, NJ 07410
For information in the US, call: 800-ACROS-01
For information in Europe, call:+32 14 57 52 11
Emergency Number, Europe:+32 14 57 52 99
Emergency Number US:201-796-7100
CHEMTREC Phone Number, US: 800-424-9300
CHEMTREC Phone Number, Europe: 703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#:	2923-28-6	
Chemical Name:	Silver trifluoromethanesulfonate	
%:	99+	
EINECS#:	220-882-2	

Hazard Symbols:



Risk Phrases:

34

С

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Danger! The toxicological properties of this material have not been fully investigated. Causes burns by all exposure routes. Target Organs: Kidneys, liver, respiratory system, eyes, skin.

Potential Health Effects

- Eye: Causes eye burns.
- Skin: Causes skin burns. May cause skin discoloration.
- Ingestion: Causes gastrointestinal tract burns.

Inhalation: May cause liver and kidney damage. Causes chemical burns to the respiratory tract.

Chronic effects include excessive calcification of the bones, ligaments, and tendons. Chronic inhalation or Chronic: ingestion of silver salts may cause argyria characterized by a permanent blue-gray discoloration of the eyes, skin, mucous membranes, and internal organs. This malady results from the accumulation of silver in the body.

Eyes:	Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.				
Skin:	Get medical aid. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.				
Ingestion:	Get medical aid immediately. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.				
Inhalation:	Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.				
Notes to Physician:	Treat symptomatically and supportively.				
	Section 5 - Fire Fighting Measures				
General Information:	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.				
Extinguishing Media:	Use foam, dry chemical, or carbon dioxide. Reacts with water to produce toxic and corrosive hydrogen fluoride.				
Autoignit Temperatu	ion re:				
	nt: Not applicable.				
Explosion Lim Low	^{its:} Not available er:				
Explosion Lim Upp	^{its:} Not available er:				
NFPA Rati	ng: health: 2; flammability: 1; instability: 1;				
	Section 6 - Accidental Release Measures				
General Information:	Use proper personal protective equipment as indicated in Section 8.				
Spills/Leaks:	Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation. Do not get water inside containers.				
	Section 7 - Handling and Storage				
Handling: close chem	nize dust generation and accumulation. Do not get in eyes, on skin, or on clothing. Keep container tightly d. Do not ingest or inhale. Store protected from light. Do not allow contact with water. Use only in a ical fume hood.				

Storage: Store in a tightly closed container. Keep under a nitrogen blanket. Corrosives area. Store protected from moisture. Store protected from light. Store in dark, dry and cool place(2-8C).

+ Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
 Silver trifluoromet hanesulfonate	none listed	none listed	none listed

Section 8 - Exposure Controls, Personal Protection

OSHA Vacated PELs: Silver trifluoromethanesulfonate: None listed

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

Personal Protective Equipment

- Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
- Skin: Wear appropriate protective gloves to prevent skin exposure.
- Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use. Section 9 - Physical and Chemical Properties Physical State: Powder Color: white to light beige Odor: Odorless. pH: Not available Vapor Pressure: Not available Vapor Density: Not available Evaporation Rate: Not available Viscosity: Not available Boiling Point: Not available Freezing/Melting Point: 356 deg C (672.80°F) Decomposition Temperature: Not available Solubility in water: Soluble Specific Gravity/Density: Molecular Formula: CF3O3SAg Molecular Weight: 256.92 Section 10 - Stability and Reactivity Chemical Stability: Stable under normal temperatures and pressures. Moisture sensitive. Light sensitive. Incompatible materials, light, dust generation, excess heat, exposure to moist air or Conditions to Avoid: water. Incompatibilities with Other Strong oxidizing agents, moisture. Materials Carbon monoxide, oxides of sulfur, carbon dioxide, hydrogen fluoride gas, oxides of Hazardous Decomposition Products silver. Hazardous Polymerization Will not occur. Section 11 - Toxicological Information RTECS#: CAS# 2923-28-6: None listed LD50/LC50: RTECS: Not available. Carcinogenicity: Silver trifluoromethanesulfonate - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65. The toxicological properties have not been fully investigated. Other: Section 12 - Ecological Information Other: Do not empty into drains. Section 13 - Disposal Considerations Dispose of in a manner consistent with federal, state, and local regulations. Section 14 - Transport Information US DOT Shipping Name: CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S. Hazard Class: 8 UN Number: UN3261 Packing Group: III Canada TDG Shipping Name: Not available Hazard Class: UN Number: Packing Group:

European Labeling in Accordance with EC Directives

Hazard Symbols: C

Risk Phrases:

R 34 Causes burns.

Safety Phrases:

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

WGK (Water Danger/Protection)

CAS# 2923-28-6: Not available

Canada

CAS# 2923-28-6 is listed on Canada's NDSL List

Canadian WHMIS Classifications: E

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

CAS# 2923-28-6 is not listed on Canada's Ingredient Disclosure List.

US Federal

TSCA

CAS# 2923-28-6 is listed on the TSCA Inventory.

Section 16 - Other Information

MSDS Creation Date: 4/28/1999 Revision #6 Date 7/20/2009

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantibility or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.
