



chemists helping chemists in research & industry

**aldrich chemical co.**

® P.O. Box 355, Milwaukee, Wisconsin 53201 USA

Telephone: (414) 273-3850  
TWX: (910) 262-3052 Aldrichem MI  
Telex: 26 843 Aldrich MI  
FAX: (414) 273-4979

ATTN: SAFETY DIRECTOR  
UNIVERSITY OF WISCONSIN WHITEWATER  
P O BOX 296  
WHITEWATER WI 53190

DATE: 01/06/88  
CUST # 523216 P.O. # UNH-81643

M A T E R I A L   S A F E T Y   D A T A   S H E E T   PAGE: 1

IDENTIFICATION

PRODUCT # 17643-5      NAME: SILVER TRIFLUOROMETHANESULFONATE, 99+%  
CAS # 2923-28-6

TOXICITY HAZARDS

NO TOXICITY DATA AVAILABLE

HEALTH HAZARD DATA

ACUTE EFFECTS

MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION.  
CAUSES EYE AND SKIN IRRITATION.  
MATERIAL IS IRRITATING TO MUCOUS MEMBRANES AND UPPER  
RESPIRATORY TRACT.  
MAY CAUSE ARGYRIA (A SLATE-GRAY OR BLUISH DISCOLORATION OF THE SKIN  
AND DEEP TISSUES DUE TO THE DEPOSIT OF INSOLUBLE ALBUMINATE OF SILVER)  
TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND  
TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

FIRST AID

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF  
WATER FOR AT LEAST 15 MINUTES.  
IN CASE OF CONTACT, IMMEDIATELY WASH SKIN WITH SOAP AND COPIOUS  
AMOUNTS OF WATER.  
IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL  
RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.  
CALL A PHYSICIAN.  
WASH CONTAMINATED CLOTHING BEFORE REUSE.

PHYSICAL DATA

NO PHYSICAL DATA AVAILABLE

FIRE AND EXPLOSION HAZARD DATA

EXTINGUISHING MEDIA

WATER SPRAY.  
CARBON DIOXIDE, DRY CHEMICAL POWDER, ALCOHOL OR POLYMER FOAM.

SPECIAL FIRE FIGHTING PROCEDURES

WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO  
PREVENT CONTACT WITH SKIN AND EYES.

UNUSUAL FIRE AND EXPLOSION HAZARDS

EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

REACTIVITY DATA

INCOMPATIBILITIES

STRONG OXIDIZING AGENTS  
STRONG ACIDS  
MAY DECOMPOSE ON EXPOSURE TO LIGHT.

Belgium

Aldrich Chemie N.V./S.A.  
Bd. Lambertmontiaan 140, b. 6  
B-1030 Brussels  
Telephone: (02) 2428750  
Telex: 62302 Alchem B  
FAX: (02)242 62 16

France

Aldrich-Chimie S.a.r.l.  
27, Fossé des Treize  
F-67000 Strasbourg  
Telephone: (88) 327010  
Telex: 890076 Aldrich F  
FAX: (88) 75 12 83

Japan

Aldrich Japan  
Kyodo Bldg. Shinkanda  
10 Kanda-Mikuracho  
Chiyoda-Ku, Tokyo  
Telephone: (03) 258-0155  
FAX: (03) 258-0157

United Kingdom

Aldrich Chemical Co., Ltd.  
The Old Brickyard, New Road  
Gillingham, Dorset SP8 4JL  
Telephone: (07476) 2211  
Telex: 417238 Aldrich G  
FAX: (07476) 3779

West Germany

Aldrich-Chemie GmbH & Co. KG  
D-7924 Steinheim  
Telephone: (07329) 87-0  
Telex: 714838 Aldri D  
FAX: (07329) 87-39



chemists helping chemists in research & industry

**aldrich chemical co.**

© P.O. Box 355, Milwaukee, Wisconsin 53201 USA

Telephone: (414) 273-3850  
TWX: (910) 262-3052 Aldrichem MI  
Telex: 26 843 Aldrich MI  
FAX: (414) 273-4979

M A T E R I A L   S A F E T Y   D A T A   S H E E T   P A G E :   2

CATALOG # 17643-5

NAME: SILVER TRIFLUOROMETHANESULFONATE, 99+%

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS

TOXIC FUMES OF:

CARBON MONOXIDE, CARBON DIOXIDE

HYDROGEN FLUORIDE

SULFUR OXIDES

----- SPILL OR LEAK PROCEDURES -----

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY RUBBER GLOVES.

SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL.

AVOID RAISING DUST.

VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

WASTE DISPOSAL METHOD

PLEASE CONTACT THE TECHNICAL SERVICES DEPARTMENT. BE SURE TO MENTION THE NAME, CATALOG NUMBER, AND THE QUANTITY OF THE MATERIAL.

OBSERVE ALL FEDERAL, STATE & LOCAL LAWS.

--- PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE ---

CHEMICAL SAFETY GOGGLES.

RUBBER GLOVES.

NIOSH/MSHA-APPROVED RESPIRATOR.

SAFETY SHOWER AND EYE BATH.

MECHANICAL EXHAUST REQUIRED.

AVOID CONTACT AND INHALATION.

DO NOT GET IN EYES, ON SKIN, ON CLOTHING.

WASH THOROUGHLY AFTER HANDLING.

IRRITANT.

KEEP TIGHTLY CLOSED.

LIGHT-SENSITIVE.

STORE UNDER NITROGEN.

STORE IN A COOL DRY PLACE.

----- ADDITIONAL PRECAUTIONS AND COMMENTS -----

NOT APPLICABLE

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. ALDRICH SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT. SEE REVERSE SIDE OF INVOICE OR PACKING SLIP FOR ADDITIONAL TERMS AND CONDITIONS OF SALE.

**ALDRICH**



**Belgium**

Aldrich Chemie N.V./S.A.  
Bd. Lambertmontaan 140, b. 6  
B-1030 Brussels  
Telephone: (02) 2428750  
Telex: 62302 Alchem B  
FAX: (02) 242 82 16

**France**

Aldrich-Chimie S.a.r.l.  
27, Fossé des Treize  
F-67000 Strasbourg  
Telephone: (88) 327010  
Telex: 890076 Aldrich F  
FAX: (88) 75 12 83

**Japan**

Aldrich Japan  
Kyodo Bldg. Shinkanda  
10 Kanda-Mikuracho  
Chiyoda-Ku, Tokyo  
Telephone: (03) 258-0155  
FAX: (03) 258-0157

**United Kingdom**

Aldrich Chemical Co., Ltd.  
The Old Brickyard, New Road  
Gillingham, Dorset SP8 4JL  
Telephone: (07476) 2211  
Telex: 417238 Aldrich G  
FAX: (07476) 3779

**West Germany**

Aldrich-Chemie GmbH & Co. KG  
D-7924 Steinheim  
Telephone: (07329) 87-0  
Telex: 714838 Aldri D  
FAX: (07329) 87-39