



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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

MSDS No. SS 935
Effective Date May 6, 1999

SECTION V HEALTH HAZARD DATA

SS 935

Threshold Limited Value

TWA: 2 mg/m³ as Tin (Sn) (ACGIH 1992-93).

Effects of Overexposure

Prolonged or repeated contact may cause irritation to skin, eyes and mucous membranes. Dust may cause eye abrasion. **INHALATION:** No acute hazard; chronic inhalation may cause a benign pneumoconiosis. Exercise appropriate procedures to minimize potential hazards.

Emergency and First Aid Procedures

INHALATION: Remove to fresh air. If illness or discomfort develops, get medical attention. **SKIN:** Flush with water, then wash with mild soap and water. **EYES:** Flush thoroughly with large amounts of water, lifting lower and upper eyelids occasionally. Do not rub. If irritation develops or persists, get medical attention.

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Excessive temperature and heat.
	Stable	X		

Incompatibility (Materials to Avoid)	Reacts violently with Chlorine Trifluoride, Hydrogen, Sulfur, Magnesium, Potassium, Sodium.
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Hazardous Decomposition Products	Fumes of tin metal.
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Hazardous Polymerization		Conditions to Avoid	Not applicable.
May Occur	Will Not Occur		
	X		

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled	Recover for use if not contaminated. Avoid formation of dust. Sweep up and place in a suitable container for proper disposal.
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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. Uncontaminated material may be disposed of in a sanitary landfill. Check local codes.
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SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None should be needed in normal laboratory use. If dusty conditions prevail, work in fume hood or wear a NIOSH/MSHA-approved dust mask.			
Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Recommended.	Other	No.
Protective Gloves	None needed.		Eye Protection	Chemical safety glasses.
Other Protective Equipment	Lab coat, eye wash station.			

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry place away from incompatible materials. (See Section VI). Wash thoroughly after handling.
Keep container tightly closed when not in use.	

Other Precautions	Read label on container before using. Do not wear contact lenses when working with chemicals. Do not inhale or ingest. Use with adequate ventilation. Remove and wash contaminated clothing.
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For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Revision	No. 4	Date	5/6/99	Approved	Michael Raszeja	Chemical Safety Coordinator	MR
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	STANNIC OXIDE	 CHEMTREC 800-424-9300 Day 716-226-6177 NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4 HMIS * 0 1 2 3 4
Chemical Synonyms	Tin (IV) Oxide	
Formula	SnO ₂	
Unit Size	up to 2.5 Kg.	
C.A.S. No.	18282-10-5	

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Stannic Oxide	100%	See Section V.
CAUTION! HARMFUL DUST.		

SECTION III PHYSICAL DATA

Melting Point (°F)	1127°C (2062°F) decomposes	Specific Gravity (H ₂ O = 1)	6.6-6.95 at 0°C
Boiling Point (°F)	Sublimes at 1800-1900°C (3272°-3452°F)	Percent Volatile by Volume (%)	Non-volatile (NA).
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate ()	Non-volatile (NA).
Vapor Density (Air=1)	Not applicable.		
Solubility in Water	Insoluble.		
Appearance & Odor	White powder; odorless.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable (NA).	Flammable Limits in Air % by Volume	NA	Lower	Upper
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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.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire or excessive heat may produce hazard decomposition of tin or tin oxide dust.

D.O.T. NON-REGULATED.

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