



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
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MSDS No. ZZ 107
Effective Date June 3, 1999

SECTION V HEALTH HAZARD DATA

ZZ 107

Threshold Limited Value

TWA: Nuisance particulate (30 mppcf) or 10 mg/m³ of total dust or 5 mg/m³ respirable dust. STEL: 20 mg/m³ (AIR). (ACGIH 1992-93).

Effects of Overexposure

Systemic toxicity negligible. Inhalation may cause pneumonitis, respiratory congestion due to dust overexposure. Contact with skin and eyes may cause redness, irritation and pain. May cause gastrointestinal irritation if swallowed. Exercise appropriate procedures to minimize potential hazards.

Emergency and First Aid Procedures

INHALATION: Remove to fresh air. If ill effects develop, get medical attention. **EYES:** Flush thoroughly with water, lifting upper and lower eyelids occasionally. If irritation develops or persists, 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. Induce vomiting and get medical attention. Never give anything by mouth to an unconscious person.

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Keep away from sparks and flame.
	Stable	X		

Incompatibility (Materials to Avoid)	Strong oxidizing materials.
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Hazardous Decomposition Products	Thermal decomposition or burning may produce carbon monoxide and/or carbon dioxide, zinc oxide.
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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	Carefully sweep up without producing dust and place in a suitable container for disposal. Wash spill area with soap and water.
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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. Dispose of in an approved incinerator or contract with a licensed disposal service.
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SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None should be needed in normal laboratory handling. If dusty conditions prevail, wear a NIOSH/MSHA-approved dust mask or respirator.
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Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Recommended.	Other	No.

Protective Gloves	Rubber.	Eye Protection	Chemical safety glasses.
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Other Protective Equipment	Eye wash station, lab coat, goggles, ventilation hood.
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SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry place away from strong oxidizing materials and fire hazards. 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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Avoid prolonged or repeated contact with skin.
Remove and wash contaminated clothing.

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

Revision No. 4	Date 6/3/99	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	ZINC STEARATE
Chemical Synonyms	Octadecanoic Acid Zinc Salt
Formula	Zn(C ₁₈ H ₃₅ O ₂) ₂
Unit Size	up to 2.5 Kg.
C.A.S. No.	557-05-1

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0 0

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

NFPA
HAZARD RATING
LEAST SLIGHT MODERATE
0 1 2

Health 1
Fire 1
Reactivity 0

HMIS *
HIGH EXTREME
3 4

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Zinc Stearate	86%	See Section V.
Zinc Oxide	Approx. 14%	See Section V.

CAUTION! MAY FORM COMBUSTIBLE DUST CONCENTRATION

IN AIR. NUISANCE DUST. DO NOT BREATHE DUST.

SECTION III PHYSICAL DATA

Melting Point (°F)	130°C (266°F)	Specific Gravity (H ₂ O = 1)	1.095 at 20°C
Boiling Point (°F)	None listed.	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate (≈1)	N/A
Vapor Density (Air=1)	Not applicable.		
Solubility in Water	Insoluble.		
Appearance & Odor	Fine white powder; faint fatty acid odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	530°F (277°C) oc	Flammable Limits in Air % by Volume	N/A	Lower	Upper
Extinguisher Media	Water spray; foam; carbon dioxide (CO ₂); dry chemical.				

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.

Ignition Temperature: 788°F (420°C).

UNUSUAL FIRE AND EXPLOSION HAZARDS

When heated to decomposition it emits fumes of zinc oxide. This material as dust in sufficient quantity is capable of creating a dust explosion. May react vigorously with oxidizing materials.

D.O.T. NON-REGULATED.

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