



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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

MSDS No. LL 145
Effective Date March 22, 1999

SECTION V HEALTH HAZARD DATA

LL 145

Threshold Limited Value None established for Lead Sulfate. (ACGIH 1992-93).
Pel: 500ug/m³ (OSHA)

Effects of Overexposure **TARGET ORGANS AFFECTED:** Kidneys, liver, central nervous system.
INHALATION AND INGESTION: Acute effects are weakness, fatigue, sleep disturbance, headache, aching bones and muscles, abdominal pains, constipation and decreased appetite. Chronic effects include anemia, pallor, blue "lead line" on the gums, severe headache, convulsions, coma, delirium, kidney injury and possible death.

Emergency and First Aid Procedures **INHALATION:** Remove to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
INGESTION: If swallowed, if conscious, give one or two glasses of water to drink, induce vomiting. Repeat until vomit fluid is clear. Call physician immediately. Never give anything by mouth to an unconscious person.
EYES: Flush eyes thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention. **SKIN:** Flush thoroughly with water, then wash with soap and water.

SECTION VI REACTIVITY DATA

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

Incompatibility (Materials to Avoid) Strong oxidizing agents.

Hazardous Decomposition Products When heated to decomposition, emits oxides of lead and sulfur oxides.

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 Wear suitable protective clothing; avoid making dust, sweep or vacuum material up and place in a suitable container. Dispose of in an approved chemical landfill. Wash spill area well with soap and water.

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 chemical landfill or contract with a licensed waste disposal service.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type) None should be needed in normal laboratory handling. If dusty conditions prevail, work in a ventilation hood or wear a NIOSH/MSHA-approved dust mask or respirator.

Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Recommended.	Other	No.

Protective Gloves Rubber. **Eye Protection** Chemical safety glasses.

Other Protective Equipment Smock, apron, eye wash station, goggles, ventilation hood, proper gloves.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing Store in a cool, dry place away from strong oxidizing agents. 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 breathe dust or fumes. Use with adequate ventilation. Remove and wash contaminated clothing promptly.

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

Revision No. 6	Date 3/22/99	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	LEAD SULFATE TRIBASIC	 CHEMTREC 800-424-9300 Day 716-226-6177 NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4 HMIS * Health 2 Fire 0 Reactivity 0
Chemical Synonyms	Lead Sulfate	
Formula	3PbO•PbSO ₄	
Unit Size	up to 2.5 Kg.	
C.A.S. No.	12202-17-4	

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Lead Sulfate Tribasic	99.9%	0.15mg/m ³ as Pb

WARNING! HARMFUL IF SWALLOWED,

INHALED OR ABSORBED THROUGH SKIN.

SECTION III PHYSICAL DATA

Melting Point (°F)	Dec. 950°C (1742°F)	Specific Gravity (H₂O = 1)	6.7
Boiling Point (°F)	N/A	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	N/A	Evaporation Rate (=1)	N/A
Vapor Density (Air=1)	N/A		
Solubility in Water	< 0.005%		
Appearance & Odor	White, heavy crystalline powder; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable.	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 with full facepiece operated in pressure demand or other positive pressure mode and protective clothing.

(1996 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.7, GUIDE PAGE NO. 151)

UNUSUAL FIRE AND EXPLOSION HAZARDS

When heated emits toxic fumes of lead and oxides of sulfur (SO_x).

D.O.T. Lead compounds, soluble, n.o.s., (Tribasic Lead sulfate), 6.1, UN 2291, PG III

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