



**ALDON
CORPORATION**

MATERIAL SAFETY DATA SHEET

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MSDS No. LL 119
Effective Date July 9, 1998

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	LEAD CARBONATE, BASIC	<div><div><div>0</div><div>2</div><div>0</div><div>0</div></div><div>CHEMTREC 800-424-9300 Day 716-226-6177</div><div>NFPA HAZARD RATING LEAST SLIGHT MODERATE 0 1 2</div><div>HMIS * HIGH EXTREME 3 4</div></div>
Chemical Synonyms	White Lead	
Formula	(PbCO ₃) ₂ •Pb(OH) ₂	
Unit Size	Up to 2.5 Kg.	
C.A.S. No.	1319-46-6	

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Lead Carbonate, Basic	100%	See Section V.
WARNING! HARMFUL IF INHALED OR SWALLOWED.		

SECTION III PHYSICAL DATA

Melting Point (°F)	N/A	Specific Gravity (H ₂ O = 1)	6.1 at 20°C
Boiling Point (°F)	Decomposes 400°C	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	Insoluble		
Appearance & Odor	White 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	Water fog, CO ₂ , dry chemical or foam extinguishing agents.			-----	-----

SPECIAL FIREFIGHTING PROCEDURES

Isolate from other material and utilize one of the media above. Place smoldering material into a clean metal container and cover with water or sand. In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full body protective clothing and full facepiece.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Isolate from heat, open flames and all sources of sparks including static electricity to avoid conditions which may cause a fire/explosion hazard. Fume, vapor and/or dust may occur and are considered toxic and respiratory irritants. The product or dust can react vigorously with strong oxidizing agents.

D.O.T. NON-REGULATED.

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

SECTION V HEALTH HAZARD DATA

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Threshold Limited Value

OSHA-PEL: .05 mg/m³
TWA: .15 mg/m³

Effects of Overexposure

INHALATION AND INGESTION: Symptoms include sleeplessness, loss of appetite, apathy, constipation, abdominal colic, metallic taste and muscle weakness. Signs include elevated blood levels, anemia, neuromuscular dysfunction and encephalopathy.

Emergency and First Aid Procedures

INHALATION: Remove to fresh air. If not breathing 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 lower and upper eyelids occasionally. Get medical attention.
SKIN: Flush thoroughly with water, then wash with soap and water.

SECTION VI REACTIVITY DATA

Stability	Unstable Stable		Conditions to Avoid	Stable at 200°F.
Incompatibility (Materials to Avoid)		X	Fluorine	
Hazardous Decomposition Products			When heated, emits oxides of lead and Carbon oxides.	
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

Recover for use if not contaminated. Wear suitable protective clothing; avoid making dust, sweep up and place in a suitable container for disposal. 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 accordance with federal, state and local regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

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

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing

Store in a cool, dry place away from strong oxidizing agents. Wash thoroughly with soap and water after handling.

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	7/9/98	Approved	Michael Raszeja	Chemical Safety Coordinator	MR
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