

LANTHANUM

Section I

Kurt J. Lesker Company 1925 Worthington Avenue Clairton, PA 15025 Ph: 412/387-9200 Fax: 412/233-4275		Emergency Phone Numbers Chemtrec 800/424-9300 Poison Center 800/562-8236	
Chemical Name and Synonyms Lanthanum Metal		Date of Last Revision 6/25/91	
Formula La	Chemical Family	Chemical Abstract No. 7439-91-0	
TSCA Listed		Calc. Molecular Wt. 138.91	

Section II Hazardous Ingredients

Hazardous Ingredients	CAS #	%	TLV	OSHA PEL
Lanthanum Metal	7439-91-0	100	10 mg/m ³	15 mg/m ³

Section III Physical Data

Boiling Point (0°C): 3457°C	Density (gmcc): NA
Vapor Pressure: NA	% Volatile by Volume: NA
Reaction with Water: NA	Evaporation Rate (H ₂ O -1): NA
Solubility in Water: Decomposes	Melting Point (°C): 921°C
Appearance and Odor: Silver solid pieces or powder, odorless	Other Comments:

Section IV Fire & Explosion Hazard Data

Flash Point (method) NA	Autoignition Temp. NA	Flammability Flammable Solid	LEI NA	UEI NA
Extinguishing Media: Dry chemical, do not use water.				
Special Fire Fighting Procedures: Wear SCBA				
Unusual Fire and Explosion Hazards: Dust explosion hazard.				

Section V Spill or Leak Process

Steps to be Taken in Case Material is Released or Spilled: Sweep or scoop up and remove. Evacuate area. Wear SCBA. Shut off all sources of ignition. Avoid raising dust. Use non-sparking tools. Ventilate area and wash spill site after material pickup is complete.
Waste Disposal Method (Consult federal, state or local authorities for proper disposal procedures.): Consult federal, state and local authorities for proper disposal procedures.

Section VI Health Hazard Data

Toxicity Data No toxicity data available.		HMIS Hazard Rating Health: Flammability: Reactivity: Personal Protection:	
Route(s) of Entry	Inhalation	Skin	Ingestion
Effects of Overexposure (acute and chronic) Inhalation: May be harmful if inhaled. Dermal/Eye Contact: Other (specify): May be harmful by inhalation, ingestion, or skin absorption. Poison by intravenous route. Lanthanum and lanthanons can cause delayed blood clotting leading to hemorrhages. Has caused liver injury in experimental animals.			
Medical Conditions Generally Aggravated by Exposure:			
Carcinogenicity	NTP:	IARC Monographs	OSHA Regulations
Emergency and First Aid Procedures Ingestion: Get medical attention. Wash out mouth with water. Inhalation: Remove to fresh air. If not breathing, give artificial respiration. Get medical attention. If breathing is difficult, give oxygen. Skin Contact: Flush with soap and water. Eye Contact: Flush with plenty of water for at least 15 minutes.			

Section VII Reactivity Data

Stable: X Unstable:	Conditions Contributing to Instability: NA
Incompatibility (materials to avoid): Strong acids, strong oxidizers, water, halogens, phosphorous, sulfur	
Hazardous Decomposition Products - Thermal and Other (list): LaO_x , can react with water to form explosive H_2 .	
Hazardous Polymerization May Occur: Will Not Occur:	Conditions to Avoid

Section VIII Special Protective Information

Respiratory Protection (specify type). Use Only Niosh Approved Equip. Filter/dust/fume/mist	
Ventilation (always maintain exposure below permissible limits) Local Exhaust: Maintain below permissible exposure limits. Mechanical (general): Special: Other:	
Protective Gloves: Natural rubber	Eye Protection: Safety Glasses

Other Protective Equipment/Work Practices: Sufficient to protect skin from contact.

Section IX Special Precautions

Precautions to be Taken in Handling and Storing: Wash thoroughly after handling. Do not get in eyes, on skin or on clothing. Do not breathe dust, vapor, mist, or gas. Keep container closed. Keep away from heat, sparks, and open flames. Store in a cool dry place.

Transportation Requirements

DOT Class: Flammable Solid

UN Number:

IMCO Class:

Other:

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ND = NO DATA FOUND

NA = NOT APPLICABLE