



SAFETY DATA SHEET

ProChemOnline.com



SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **Lanthanum, Chips**

PRODUCT NUMBER: 2098

CAS NUMBER: 7439-91-0

MANUFACTURER:

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SECTION 2 HAZARDS IDENTIFICATION

CLASSIFICATION OF SUBSTANCE OR MIXTURE

Pictogram



Signal Word

Danger

Hazard Statements

H228	Flammable solid.
H260	In contact with water released flammable gases, which may ignite spontaneously.

Precautionary Phrases

P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P223	Keep away from any possible contact with water, because of violent reaction and possible flash fire.
P231+P232	Handle under inert gas. Protect from moisture.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P335+P334	Brush off loose particles from skin. Immerse in cool water/wrap in wet bandages.
P370+P378	In case of fire: Use dry sand, dry chemical, or alcohol-resistant foam for extinction
P402+P404	Store in a dry place. Store in a closed container.

HMIS CLASSIFICATION:

Health: 0 Fire: 4 Reactivity Hazard: 2

NFPA RATING:

Health: 0 Flammability: 4 Reactivity Hazard: 2 Specific Hazard: W

EYE CONTACT: Oil, and dust, if present, may cause slight to mild irritation of the eyes.

SKIN CONTACT: Dust, if present, may cause slight to mild irritation of the skin.

INHALATION: Inhalation of any oil free fine dust may be irritation to the nasal cavity, mucous membranes, and respiratory tract.

INGESTION: No information is available on the physiological effects of ingestion. Mineral oil may be harmful.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Formula: La

Molecular Weight: 138.91

CHEMICAL NAME	CAS#	%
Lanthanum	7439-91-0	100

SECTION 4 FIRST AID MEASURES

EYE EXPOSURE: Immediately flush the eyes with copious amounts of water for at least 15 minutes. Assure flushing under eyelids. A victim may need assistance in keeping their eyelids open. Get immediate competent medical attention.

SKIN EXPOSURE: Wash affected area with water. Remove contaminated clothes if necessary. Seek medical assistance if irritation persists.

INHALATION: Remove to fresh air and keep at rest. Closely monitor the victim for signs of respiratory problems, such as difficulty in breathing, coughing, wheezing, or pain. In such cases, seek immediate medical assistance.

INGESTION: Seek medical assistance immediately. Keep the victim calm. Give the victim water (only if conscious). Induce vomiting only if directed by medical personnel.

SECTION 5 FIREFIGHTING MEASURES

FLASH POINT: Not available

AUTO IGNITION TEMPERATURE: Not available

EXPLOSION LIMITS: Not available

EXTINGUISHING MEDIUM: Dry chemical or class D metal fire agents.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.

HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: Lanthanum oxides

UNUSUAL FIRE OR EXPLOSION HAZARDS: Flammable solid. Burns with intense heat. Any dust may form explosive mixtures with air. Evolves hydrogen with hot water.

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Wear all appropriate equipment when using this material. Ensure adequate ventilation. Avoid the formation of dust. Avoid breathing vapors, mist, gas, or dust. Keep away from ignition sources.

ENVIRONMENTAL PRECAUTIONS: Prevent spillage from entering drains or allowing to be released into the environment.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Sweep up and place in suitable container for proper disposal.

SECTION 7 HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Wear appropriate personal protective equipment. Avoid contact with skin and eyes. Use with adequate ventilation. Avoid formation of dusts and aerosols. Handle under dry protective gas.

CONDITIONS FOR SAFE STORAGE: Store in cool, dry, and well-ventilated area. Store under mineral oil and dry inert gas. Store away from oxidizing agents, acidic materials, air, water, and moisture. Air sensitive.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE CONTROLS: Contains no substances with occupational exposure limit values.

EYE PROTECTION: Wear chemical safety glasses or goggles and face shield.

SKIN PROTECTION: Wear nitrile or rubber gloves, and a complete suit protecting against chemicals.

VENTILATION: Provide local exhaust, preferably mechanical.

RESPIRATOR: Use an approved respirator.

ADDITIONAL PROTECTION: Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

COLOR AND FORM: Gray solid in mineral oil

ODOR: None

MOLECULAR WEIGHT: 138.91

BOILING POINT: 3454° C

MELTING POINT: 920° C

SPECIFIC GRAVITY: 6.17 gm/ml

VAPOR DENSITY: No data available

SOLUBILITY: Reacts with water

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Air and moisture sensitive

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: Contact with hot water and any oil free fine dust with air.

INCOMPATIBILITY: Acids, oxidizing agents, air, acid chlorines, halogens, water, moisture, halogens, phosphorous, sulfur compounds, and alcohols.

DECOMPOSITION PRODUCTS: Lanthanum oxides

SECTION 11 TOXICOLOGICAL DATA

ACUTE TOXICITY: Not available

CARCINOGENIC EFFECTS: No components of this product present at levels greater than or equal to 0.1% is identified a carcinogen.

MUTAGENIC EFFECTS: Not available

TETRATOGENIC EFFECTS: Not available

RTECS: No data

To the best of our knowledge the toxicological effects of this compound have not been fully investigated.

SECTION 12 ECOLOGICAL DATA

No data available.

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of in according to local, state, and federal regulations.

SECTION 14 TRANSPORTATION DATA

UN3208

Metallic substance, water-reactive, n.o.s.

(Lanthanum)

CLASS 4.3

PG I

Marine Pollutant: No

SECTION 15 REGULATORY INFORMATION

TSCA: Listed in the TSCA inventory

SARA 302/304: Not Listed

SARA 311/312: Reactivity Hazard

SECTION 15 REGULATORY INFORMATION (Cont.)

SARA (TITLE 313): Not Listed

CALIFORNIA PROP. 65: Not Listed

MASSACHUSETTS RIGHT TO KNOW COMPONENTS: No components are subject to the Massachusetts Right to Know Act.

NEW JERSEY RIGHT TO KNOW COMPONENTS: Lanthanum

PENNSYLVANIA RIGHT TO KNOW COMPONENTS: Lanthanum

SECTION 16 OTHER INFORMATION

DISCLAIMER: The information herein is believed to be accurate and reliable as of the date compiled. However, Prochem, Inc. makes no representation, warranty, or guarantee of any kind with respect to the information in this document or any use of the product based on the information.

DATE REVISED: 11/21

SDS DEPT.