

# SAFETY DATA SHEET

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## SECTION 1. IDENTIFICATION

**Product Identifier:** (4N) 99.99% Lanthanum Calcium Manganite Sputtering Target

**Product Code:** LACA-MNO-04-ST

**CAS Number:** 123273-09-6

**Relevant identified uses of the substance:** Scientific research and development

Supplier details:

American Elements  
10884 Weyburn Ave.  
Los Angeles, CA 90024  
Tel: +1 310-208-0551  
Fax: +1 310-208-0351  
Emergency telephone number:  
+1 800-424-9300

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## SECTION 2. HAZARDS IDENTIFICATION

Label precautionary statements

Irritant

Irritating to eyes, respiratory, and skin.

In case of contact to eyes, rinse immediately

With plenty of water and seek medical advice.

Wear suitable protective clothing.



GHS07

Signal word: Warning

Acute toxicity (oral, dermal, inhalation), category 4

Skin and eye irritation, category 2

Skin sensitisation, category 1

Specific target organ toxicity - single exposure, category 3

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## **SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

MF: (La<sub>0.85</sub>Ca<sub>0.15</sub>)<sub>0.97</sub>MnO<sub>3</sub>

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## **SECTION 4. FIRST AID MEASURES**

In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes .

In case of contact, immediately skin with soap and copious amounts of water.

If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Wash contaminated clothing before reuse.

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## **SECTION 5. FIREFIGHTING MEASURES**

Extinguishing media

Noncombustible.

Use extinguishing media appropriate to surrounding fire conditions.

Special fire fighting procedures:

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

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## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

Wear respirator, chemical safety goggles, rubber boots and chemical resistant gloves.

Sweep up, place in a bag and hold for waste disposal.

Avoid raising dust.

Ventilate area and wash spill site after material pickup is complete.

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## **SECTION 7. HANDLING AND STORAGE**

Keep tightly closed.

Store under nitrogen. Store in a cool dry place

See section 8.

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## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Chemical safety goggles.

Rubber gloves.

NIOSH/MSHA- approved respirator.

Safety shower and eye bath.

Mechanical exhaust required.

Do not breath dust.

Irritant dust.

Wash thoroughly after handling.

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## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance and odor  
Brown powder  
Physical properties  
Fine powder

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## **SECTION 10. STABILITY AND REACTIVITY**

Incompatibilities:  
Strong acids.  
Oxidizing agents.  
Protect from moisture.  
Hazardous combustion or decomposition products:  
Nature of decomposition products not known.

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## **SECTION 11. TOXICOLOGICAL INFORMATION**

Acute effects  
May be harmful by inhalation, ingestion, or skin absorption.  
Causes eye and skin irritation.  
Material is irritating to mucous membranes and upper respiratory tract.  
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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## **SECTION 12. ECOLOGICAL INFORMATION**

Data not available

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## **SECTION 13. DISPOSAL CONSIDERATIONS**

Bury in a landfill site approved for the disposal of chemical and hazardous wastes. Observe all federal, state and local environmental regulations.

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## **SECTION 14. TRANSPORT INFORMATION**

CDG UK  
Non-hazardous for road freight  
IMDG  
Non-hazardous for sea freight  
ICAO/IATA  
Non-hazardous for air freight

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## SECTION 15. REGULATORY INFORMATION

European information

Irritant

R 36/37/38

Irritating to eyes, respiratory system and skin.

S26

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 36

Wear suitable protective clothing.

Reviews, standards and regulations

OEL=MAK

NOES 1983: HZD X2060; NIS 8; TNF 406; NOS 11; TNE 22403; TFE

11140

EPA TSCA Section 8(B) Chemical Inventory

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## 16. OTHER INFORMATION

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH). The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. American Elements shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. COPYRIGHT 1997-2022 AMERICAN ELEMENTS. LICENSED GRANTED TO MAKE UNLIMITED PAPER COPIES FOR INTERNAL USE ONLY.