

# SAFETY DATA SHEET

Date Printed: 05/05/2024

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## SECTION 1. IDENTIFICATION

**Product Identifier:** (5N) 99.999% Lead Carbonate, Basic

**Product Code:** PB2-CBB-05

**CAS Number:** 1319-46-6

**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

## SECTION 2. HAZARDS IDENTIFICATION

Classification:

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute oral toxicity Category 4

Acute Inhalation Toxicity - Dusts and Mists Category 4

Carcinogenicity Category 1B

Reproductive Toxicity Category 1A

Specific target organ toxicity - (repeated exposure) Category 2

Signal Word: Danger

Hazard Statements:

Harmful if swallowed

Harmful if inhaled

May cause cancer

May damage the unborn child. Suspected of damaging fertility

May cause damage to organs through prolonged or repeated exposure



Precautionary Statements

Prevention:

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Use personal protective equipment as required  
Wash face, hands and any exposed skin thoroughly after handling  
Do not eat, drink or smoke when using this product  
Use only outdoors or in a well-ventilated area  
Do not breathe dust/fume/gas/mist/vapors/spray  
Response:  
IF exposed or concerned: Get medical attention/advice  
Inhalation:  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
Ingestion:  
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell  
Rinse mouth  
Storage:  
Store locked up  
Disposal:  
Dispose of contents/container to an approved waste disposal plant  
Hazards not otherwise classified (HNOC):  
Very toxic to aquatic life with long lasting effects

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

Component : Lead carbonate hydroxide  
CAS-No: 1319-46-6  
Weight 100%

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

Eye Contact:  
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.  
Skin Contact:  
Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Obtain medical attention.  
Inhalation:  
Remove from exposure, lie down. Move to fresh air. If not breathing, give artificial respiration. Immediate medical attention is required.  
Ingestion:  
Call a physician immediately. Clean mouth with water.  
Most important symptoms and effects:  
No information available.  
Notes to Physician:  
Treat symptomatically

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### **SECTION 5. FIREFIGHTING MEASURES**

Suitable Extinguishing Media:  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media No information available  
Flash Point No information available  
Method - No information available  
Autoignition Temperature  
Explosion Limits  
Upper No data available  
Lower No data available  
Sensitivity to Mechanical Impact No information available  
Sensitivity to Static Discharge No information available  
Specific Hazards Arising from the Chemical:  
Non-combustible. Do not allow run-off from fire fighting to enter drains or water courses.  
Hazardous Combustion Products:  
lead oxides lead  
Protective Equipment and Precautions for Firefighters:  
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.  
NFPA:  
Health: 2  
Flammability: 0  
Instability: 0  
Physical hazards  
N/A

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

Personal Precautions:  
Ensure adequate ventilation. Use personal protective equipment.  
Environmental Precautions:  
Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained. Should not be released into the environment.  
Methods for Containment and Clean Up:  
Sweep up or vacuum up spillage and collect in suitable container for disposal.

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

Handling:  
Do not breathe dust. Do not get in eyes, on skin, or on clothing. Use only in area provided with appropriate exhaust ventilation.  
Storage:  
Keep in a dry, cool and well-ventilated place. Keep container tightly closed.

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

Exposure Guidelines  
Component: Lead carbonate hydroxide  
ACGIH TLV: TWA: 0.05 mg/m<sup>3</sup>  
OSHA PEL:  
NIOSH IDLH: IDLH: 100 mg/m<sup>3</sup> TWA: 0.050 mg/m<sup>3</sup>  
Mexico OEL (TWA): TWA: 0.15 mg/m<sup>3</sup>

Engineering Measures: Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/face Protection:

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin and body protection:

Wear appropriate protective gloves and clothing to prevent skin exposure.

Respiratory Protection:

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149.

Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice.

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## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State Powder Solid

Appearance Off-white

Odor Odorless

Odor Threshold No information available

pH No information available

Melting Point/Range 400 °C / 752 °F

Boiling Point/Range No information available

Flash Point No information available

Evaporation Rate Not applicable

Flammability (solid,gas) No information available

Flammability or explosive limits

Upper No data available

Lower No data available

Vapor Pressure No information available

Vapor Density Not applicable

Specific Gravity No information available

Solubility No information available

Partition coefficient; n-octanol/water No data available

Autoignition Temperature

Decomposition Temperature No information available

Viscosity Not applicable

Molecular Formula C<sub>2</sub>H<sub>2</sub>O<sub>8</sub>Pb<sub>3</sub>

Molecular Weight 775.59

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## SECTION 10. STABILITY AND REACTIVITY

Reactive Hazard:

None known, based on information available

Stability:

Stable under normal conditions.

Conditions to Avoid:

Incompatible products.

Incompatible Materials:

Strong oxidizing agents, Strong acids, Fluorine

Hazardous Decomposition Products:

lead oxides, lead

Hazardous Polymerization:  
Hazardous polymerization does not occur.  
Hazardous Reactions:  
None under normal processing.

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## **SECTION 11. TOXICOLOGICAL INFORMATION**

Acute Toxicity  
Product Information  
Component Information  
Toxicologically Synergistic Products:  
No information available  
Delayed and immediate effects as well as chronic effects from short and long-term exposure  
Irritation No information available  
Sensitization No information available  
Carcinogenicity:  
Component: Lead carbonate hydroxide  
CAS-No: 1319-46-6  
IARC: Not listed  
NTP: Reasonably anticipated  
ACGIH: A3  
OSHA: Not listed  
Mexico: Not listed  
Mutagenic Effects: No information available  
Reproductive Effects: No information available.  
Developmental Effects: No information available.  
Teratogenicity: No information available.  
STOT - single exposure None known  
STOT - repeated exposure None known  
Aspiration hazard: No information available  
Symptoms / effects, both acute and delayed: No information available  
Endocrine Disruptor Information: No information available  
Other Adverse Effects: The toxicological properties have not been fully investigated

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## **SECTION 12. ECOLOGICAL INFORMATION**

Ecotoxicity:  
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. The product contains following substances which are hazardous for the environment. May cause long-term adverse effects in the environment. Do not allow material to contaminate ground water system.  
Persistence and Degradability: Insoluble in water May persist  
Bioaccumulation/ Accumulation: No information available.  
Mobility: Is not likely mobile in the environment due its low water solubility

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## **SECTION 13. DISPOSAL CONSIDERATIONS**

Waste Disposal Methods:  
Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

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## SECTION 14. TRANSPORT INFORMATION

DOT

UN-No UN3288

Hazard Class 6.1

Packing Group III

TDG

UN-No UN3288

Hazard Class 6.1

Packing Group III

IATA

UN-No UN3288

Proper Shipping Name TOXIC SOLID, INORGANIC, N.O.S.\* Hazard Class 6.1

Packing Group III

IMDG/IMO

UN-No UN3288

Proper Shipping Name TOXIC SOLID, INORGANIC, N.O.S. Hazard Class 6.1

Packing Group III

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## SECTION 15. REGULATORY INFORMATION

U.S. Federal Regulations:

TSCA 12(b) Not applicable

SARA 313

Component : Lead carbonate hydroxide

CAS-No: 1319-46-6

SARA 313 - Threshold Values 0.1%

CWA (Clean Water Act) Not applicable

Clean Air Act Not applicable

OSHA Occupational Safety and Health Administration

OSHA - United States Occupational Safety and Health Administration

Component : Lead carbonate hydroxide

Specifically regulated chemicals: 30 µg/m<sup>3</sup> Action Level / 50 µg/m<sup>3</sup> TWA

CERCLA Not applicable

U.S. Department of Transportation

Reportable Quantity (RQ): N

DOT Marine Pollutant N

DOT Severe Marine Pollutant N

U.S. Department of Homeland Security

This product does not contain any DHS chemicals.

Other International Regulations

Mexico - Grade No information available

California Proposition 65 This product contains the following proposition 65 chemicals

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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

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