

**GELEST, INC.**

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MATERIAL SAFETY  
DATA SHEET

EMERGENCY TELEPHONE  
CHEMTREC: 1-800-424-9300

NAME USED ON LABEL: **LEAD IV PROPIONATE - PBL6430**

CHEMICAL NAME: LEAD IV PROPIONATE

SYNONYMS: LEAD TETRAPROPIONATE

CHEMICAL FAMILY: LEAD COMPOUND

FORMULA: C<sub>12</sub>H<sub>20</sub>O<sub>8</sub>Pb

HMIS CODES HEALTH: 3 FLAMMABILITY: 1 REACTIVITY: 1

**INGREDIENTS**

IDENTITY	CAS NO.	%	TLV
LEAD IV PROPIONATE	19183-30-3	>90	0.15 mg/m <sup>3</sup> as lead
LEAD II PROPIONATE	not found	>5	0.15 mg/m <sup>3</sup> as lead

**PHYSICAL DATA**

Boiling Point: N/A

Specific Gravity: >1

Vapor Density: NA

% volatiles: <3

Molecular Weight: 499.49

Appearance & Color: White to off-white crystals, characteristic odor

Melting Point: 132°C - decomposes

Vapor Pressure, 20°: not determined

Solubility in water, N/A

Evaporation rate: N/A

Other: N/A

**FIRE & EXPLOSION DATA**

Flash Point, COC: NA

Autoignition Temp.: NA

Flammability Limits- LEL: NA UEL: NA

Extinguishing Media: Water spray, foam, carbon dioxide, dry chemical.

Special Fire Fighting Procedures: Avoid eye and skin contact. Do not breathe fumes or inhale vapors.

Unusual Fire and Explosion Hazards: Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame.

-1-(PBL6430)

## ENVIRONMENTAL INFORMATION

Spill response: May be hazardous to aquatic life if released to open waters. Sweep material and transfer to a suitable container for disposal.

Recommended Disposal: Dispose of as solid waste. Follow all chemical pollution control regulations.

## HEALTH HAZARD DATA

Eye Contact: May cause immediate or delayed severe eye irritation.

Skin contact: May produce irritation or contact dermatitis which may be delayed several hours. Prompt and thorough washing with soap and water will reduce or eliminate potential dermal effects.

Inhalation: Inhalation of dust or particulates will irritate the respiratory tract.

Oral Toxicity: not determined

Chronic Toxicity: Exposure to dust or fumes of organic lead compounds is known to cause toxic effects. Lead is a cumulative poison.

### SUGGESTED FIRST AID

EYES: In case of contact, immediately flush eyes with flowing water for at least 15 minutes. Get medical attention.

SKIN: Flush with water, then wash with soap and water.

INHALATION: Move exposed individual to fresh air. Administer oxygen if needed. Call a physician.

INGESTION: Never give fluids or induce vomiting if patient is unconscious or having convulsions. Get medical attention. *Physician note: Diagnostic mobilization of lead with calcium EDTA may be useful in questionable cases.*

## REACTIVITY DATA

Stability: Stable

Conditions to avoid: Material decomposes slowly in contact with air by reaction with water and carbon dioxide.

Hazardous decomposition products: Organic acid vapors and lead oxide fumes.

-2-(PBL6430)

## SPECIAL PROTECTION INFORMATION

Ventilation: Local exhaust is required. Mechanical is recommended.

Respiratory Protection: If exposure exceeds TLV, NIOSH approved dust and mist respirator.

Eye and Face Protection: Chemical worker's goggles. Do not wear contact lenses.

Other Clothing and Equipment: Rubber, neoprene or nitrile gloves. An eyewash and emergency shower should be available. Launder clothing before reuse.

## OTHER PRECAUTIONS

For research use only.

Storage and Handling: Store in sealed containers.

## TRANSPORTATION

DOT SHIPPING NAME: None required

DOT HAZARD CLASS: None required

DOT LABEL: None required

DOT ID No: None required

Prepared by safety and environmental affairs      ISSUE DATE PBL6430: 11/24/03  
SUPERSEDES: 1/15/92

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