



# SAFETY DATA SHEET

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## SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **Lead (II) Oxalate**

PRODUCT NUMBER: 2263

CAS NUMBER: 814-93-7

### MANUFACTURER:

Prochem, Inc.  
826 Roosevelt Road  
Rockford, IL 61109

PHONE: 815-398-1788  
FAX: 815-398-1810  
TOLL FREE: 800-795-8788

IN CASE OF TRANSPORTATION EMERGENCY CONTACT CHEM-TREC: 1-800-424-9300

## SECTION 2 HAZARDS IDENTIFICATION

### CLASSIFICATION OF SUBSTANCE OR MIXTURE

Pictogram



Signal Word

**Danger**

### Hazard Statements

H302+H332	Harmful if swallowed or if inhaled.
H360	May damage fertility or the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.

### Precautionary Phrases

P201	Obtain special instructions before use.
P273	Avoid release into the environment.

### HMIS CLASSIFICATION:

Health: 2      Fire: 0      Reactivity Hazard: 1

### NFPA RATING:

Health: 2      Flammability: 0      Reactivity Hazard: 1

**EYE CONTACT:** May cause serious eye damage.

**SKIN CONTACT:** Harmful in contact with skin.

**INHALATION:** Harmful through inhalation.

**INGESTION:** Harmful if swallowed.

### SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Formula:  $\text{PbC}_2\text{O}_4$

Molecular Weight: 295.22

CHEMICAL NAME	CAS#	%
Lead (II) Oxalate	814-93-7	100

### SECTION 4 FIRST AID MEASURES

**EYE EXPOSURE:** Rinse with plenty of water for at least 15 minutes. Seek medical attention.

**SKIN EXPOSURE:** Immediately wash with soap and water. Seek medical attention.

**INHALATION:** Remove to fresh air and keep at rest. Seek medical attention immediately.

**INGESTION:** Get medical attention immediately.

### SECTION 5 FIREFIGHTING MEASURES

**FLASH POINT:** Not available

**AUTO IGNITION TEMPERATURE:** Not available

**EXPLOSION LIMITS:** Product does not present an explosion hazard.

**EXTINGUISHING MEDIUM:** Carbon dioxide, extinguishing powder, or water spray. Fight large fires with water spray or alcohol resistant foam.

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

**HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS:** Lead oxide and carbon oxides

### SECTION 6 ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:** Wear all appropriate equipment when using this material. Ensure adequate ventilation. Keep unprotected persons away.

**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 a 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.

**CONDITIONS FOR SAFE STORAGE:** Store in cool, dry, and well-ventilated area. Keep away from incompatible materials.

### SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

#### EXPOSURE CONTROLS:

Component	Exposure Limits	Basis	Entity
Lead (II) Oxalate	0.05 $\text{mg}/\text{m}^3$	TLV	ACGIH
	0.05 $\text{mg}/\text{m}^3$	PEL	OSHA

TLV: Threshold Limit Value over 8 hours of work.

PEL: Permissible Exposure Limit

**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:** White solid  
**ODOR:** None  
**MOLECULAR WEIGHT:** 295.22  
**BOILING POINT:** No data available  
**MELTING POINT:** 300° C (dec.)  
**SPECIFIC GRAVITY:** 5.28 gm/ml  
**VAPOR DENSITY:** No data available  
**SOLUBILITY:** Slightly soluble

## SECTION 10 STABILITY AND REACTIVITY

**STABILITY:** Stable  
**HAZARDOUS POLYMERIZATION:** Will not occur  
**CONDITIONS TO AVOID:** Exposure to air or moisture over prolonged periods  
**INCOMPATIBILITY:** Oxidizing agents, hydrogen peroxide, active metals, sodium, and potassium.  
**DECOMPOSITION PRODUCTS:** Carbon oxides and lead oxides

## SECTION 11 TOXICOLOGICAL DATA

**ACUTE TOXICITY:** Not available  
**CARCINOGENIC EFFECTS:** Possible human carcinogen  
**MUTAGENIC EFFECTS:** Not available  
**TETRAOGENIC EFFECTS:** Not available  
**CHRONIC TOXICITY:** Chronic exposure may cause nausea and vomiting. High exposure causes unconsciousness  
**RTECS:** No data

Lead and lead compounds may cause abdominal pain, diarrhea, loss of appetite, metallic taste, nausea, vomiting, lassitude, insomnia, muscle weakness, joint and muscle pain, irritability, headache, and dizziness. Red blood cells may be damaged resulting in anemia. Gastritis and injury to the kidneys, liver, male gonads, and central nervous system may also occur. Oxalates are powerful irritants and corrosive to tissue. They have a caustic effect on the mouth, esophagus, and stomach. Readily absorbed, they can cause severe kidney damage.

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

## SECTION 12 ECOLOGICAL DATA

**AQUATIC VERTEBRATE:** LC50 – Brook trout – 4.1mg/L – 96h. LC50 – fathead minnow – 6.5mg/L – 96h.  
**AQUATIC INVERTEBRATE:** LC50 – Water flea – 600µg/L – 48h.  
**TERRESTRIAL:** Not available

Do not allow product to reach groundwater, watercourse, or swage system. Danger to drinking water if even small quantities leak into the ground. Also poisonous for fish and plankton in water bodies. May cause long lasting harmful effects to aquatic life. Avoid transfer into the environment.

## SECTION 13 DISPOSAL CONSIDERATIONS

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

## SECTION 14 TRANSPORTATION DATA

<b>DOT:</b> UN2291	<b>IATA:</b> UN2291
Lead compounds, soluble, n.o.s.	Lead compound, soluble, n.o.s.
(Lead (II) Oxalate)	(Lead (II) Oxalate)
CLASS 6.1	CLASS 6.1
PG III	PG III

## **SECTION 15 REGULATORY INFORMATION**

**SARA (TITLE 313):** Lead Oxalate

**CALIFORNIA PROP. 65:** Lead Oxalate

**MASSACHUSETTS RIGHT TO KNOW COMPONENTS:** Lead Oxalate

**NEW JERSEY RIGHT TO KNOW COMPONENTS:** Lead Oxalate

**PENNSYLVANIA RIGHT TO KNOW COMPONENTS:** Lead Oxalate

## **SECTION 16 OTHER INFORMATION**

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**DATE PREPARED:** 01/15

**SDS DEPT.**