

Material Safety Data Sheet

Catalog Number: 211202
Revision date: 26-Apr-2006

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY INFORMATION

Product name: LEAD OXALATE

Supplier:

ProChem, Inc.
826 Roosevelt Rd.
Rockford IL 61109
(800) 795-8788

Emergency telephone number: CHEMTREC: 1-800-424-9300 (1-703-527-3887)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Weight %	ACGIH Exposure Limits:	OSHA Exposure Limits:
LEAD OXALATE	814-93-7	90 - 100%	0.05 mg/m ³ TWA	None

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Harmful to flora, fauna, soil organisms and aquatic organisms., Toxic: danger of very serious irreversible effects if swallowed. May also have serious irreversible effects through skin contact or inhalation.

Category of Danger:

Toxic , Dangerous for the environment , Repr. cat. 1 , Carc. cat. 3

Principle routes of exposure: Skin

Inhalation: Harmful: possible risk of irreversible effects through inhalation.

Ingestion: Toxic: danger of very serious irreversible effects if swallowed.

Skin contact: Harmful: danger of serious damage to health by prolonged skin contact.

Eye contact: Risk of serious damage to eyes

Statements of hazard Toxic if swallowed

Statement of Spill or Leak - ANSI Label Eliminate all ignition sources. Absorb and/or contain spill with inert materials (e.g., sand, vermiculite). Then place in appropriate container. For large spills, use water spray to disperse vapors, flush spill area. Prevent runoff from entering waterways or sewers.

Precautions - ANSI Label Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Do not breathe vapors or spray mist

4. FIRST AID MEASURES

General advice: In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Inhalation: Move to fresh air. Call a physician immediately.

Skin contact: Rinse immediately with plenty of water and seek medical advice

Ingestion: Drink 1 or 2 glasses of water. Induce vomiting if person is conscious.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Protection of first-aiders: No information available

Medical conditions aggravated by exposure: None known

5. FIRE FIGHTING MEASURES

Suitable extinguishing media:

Specific hazards:

Unusual hazards:

Special protective equipment for firefighters:

Use dry chemical, CO₂, water spray or "alcohol" foam

Burning produces irritant fumes.

None known

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

Water mist may be used to cool closed containers.

Specific methods:

Flash point:

Not determined

Autoignition temperature:

Not determined

NFPA rating:

NFPA Health: 2

NFPA Flammability: 0

NFPA Reactivity: 0

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Use personal protective equipment.

Environmental precautions:

Prevent product from entering drains.

Methods for cleaning up:

Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Storage:

ROOM TEMPERATURE

Handling:

Use only in area provided with appropriate exhaust ventilation.

Safe handling advice:

Wear personal protective equipment. Remove and wash contaminated clothing before reuse.

Technical measures/storage conditions:

Keep container tightly closed in a dry and well-ventilated place.

Incompatible products:

Oxidising and spontaneously flammable products

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

PERSONAL PROTECTIVE EQUIPMENT

Respiratory protection: Breathing apparatus only if aerosol or dust is formed.

Hand protection: Pvc or other plastic material gloves

Skin and body protection: Impervious clothing Long sleeved clothing

Eye protection: Safety glasses with side-shields

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



9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:

Solid

Formula:

Pb

Product name: LEAD OXALATE

Molecular weight:	207.2
Melting point/range:	327.5 °C
Boiling point/range:	1740 °C at 1013 hPa
Density:	11.336 g/cm3 at 20 °C
Vapor pressure:	1.33 hPa at 973 °C
Evaporation rate:	No data available
Vapor density:	No data available
Solubility (in water):	Insoluble
Flash point:	Not determined
Autoignition temperature:	Not determined

10. STABILITY AND REACTIVITY

Stability:	Stable under recommended storage conditions.
Polymerization:	None under normal processing.
Hazardous decomposition products:	Lead oxides
Materials to avoid:	-
	Strong oxidizers, hydrogen peroxide; active metals: sodium, potassium (as Pb)
Conditions to avoid:	Exposure to air or moisture over prolonged periods.

11. TOXICOLOGICAL INFORMATION

Product Information

Acute toxicity

Components

LEAD OXALATE

RTECS Number:

Not Available

Selected LD50s and LC50s

Not Determined

Chronic toxicity:

Chronic exposure may cause nausea and vomiting, higher exposure causes unconsciousness.

Local effects:

Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

Specific effects:

May include moderate to severe erythema (redness) and moderate edema (raised skin), nausea, vomiting, headache.

Primary irritation:

No data is available on the product itself.

Carcinogenic effects:

Possible carcinogen

Mutagenic effects:

No data is available on the product itself.

Reproductive toxicity:

Reprotoxic category 1 corresponds to 'substances known to cause developmental toxicity in humans'.

Components

LEAD OXALATE

NIOSH - Health Effects

Kidney, blood, and nervous system effects

NIOSH - Target Organs

GI tract, CNS, kidneys, blood, gingival tissue, eyes

12. ECOLOGICAL INFORMATION

Mobility:

No data available

Bioaccumulation:

No data available

Ecotoxicity effects:

No data available

Aquatic toxicity:

May cause long-term adverse effects in the aquatic environment.

Components

LEAD OXALATE

U.S. DOT - Appendix B - Marine Pollutan

Not Listed

U.S. DOT - Appendix B - Severe Marine Pollutants

Not Listed

United Kingdom - The Red List:

Not Listed

Components	Germany VCI (WGK)	World Health Organization (WHO) - Drinking Water	Ecotoxicity - Fish Species Data
LEAD OXALATE	Not Listed	0.01 mg/L	LC50 (96 hr) brook trout:4.1 mg/L;LC50 (96 hr) fathead minnow:6.5 mg/L;Cond: 20 mg CaCO3/L
Components	Ecotoxicity - Freshwater Algae Data	Ecotoxicity - Microtox Data	Ecotoxicity - Water Flea Data
LEAD OXALATE	Not Listed	Not Listed	LC50 (48 hr) water flea: 600 ug/L
Components	EPA - ATSDR Priority List	EPA - HPV Challenge Program Chemical List	California - Priority Toxic Pollutants
LEAD OXALATE	Rank (of 275): 002	Not Listed	Maximum concentration = 65 ug/L; continuous concentration = 2.5 ug/L
Components	California - Priority Toxic Pollutants	California - Priority Toxic Pollutants	
LEAD OXALATE	No human health criteria is being promulgated for these contaminants. However, permit authorities should address these contaminants during the permit process.	Maximum concentration = 210 ug/L; continuous concentration = 8.1 ug/L	

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:

Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority. Residue from fires extinguished with this material may be hazardous.

Contaminated packaging:

Do not re-use empty containers

14. TRANSPORT INFORMATION

UN/Id No: 2291

DOT:

Proper shipping name: Lead compound, soluble, n.o.s.
IATA Hazard Label(s): Toxic
Hazard Class: 6.1 -
Packing group: Toxic substances - oral
III

Emergency Response Guide Number (ERG): 151

Components
LEAD OXALATE

U.S. DOT - Appendix A Table 1 - Reportable Quantities

RQ = 10 pounds (4.54 kg); The RQ for these hazardous substances is limited to those pieces of the metal having a diameter smaller than 100 micrometers (0.004 inches).

TDG (Canada):

WHMIS hazard class:

D2a very toxic materials



:

IMDG/IMO

Proper shipping name:

Lead compound, soluble, n.o.s.

IMDG - Hazard Classifications

IMDG - Marine Pollutants

IMDG - Regulated Substances

IMDG class or division = 6.1, P

UN2291

UN2291

Components

U.S. DOT - Appendix B - Marine Pollutan

U.S. DOT - Appendix B - Severe Marine
Pollutants

LEAD OXALATE

Not Listed

Not Listed

IMO-labels:

15. REGULATORY INFORMATION

International Inventories

Components

LEAD OXALATE

Inventory - United States TSCA - Sect. 8(b)

Present

Canada DSL Inventory List -

Present

Canada NDSL Inventory List -

C2H2O4.Pb

Australia (AICS):

Present

Inventory - China:

Present

EU EINECS List -

231-100-4; Pb

Inventory - Japan:

1-527

Korean KECL:

KE-21887

Philippines PICCS:

Present

U.S. regulations:

Components

LEAD OXALATE

California Proposition 65

-
carcinogen; initial date
10/1/92
developmental toxicity;
initial date 2/27/87
male reproductive toxicity;
initial date 2/27/87
female reproductive
toxicity; initial date 2/27/87

Massachusetts Right to

Know List:
teratogen

New Jersey Right to

Know List:
sn 1096

Pennsylvania Right to Know
List:

environmental hazard (any
compound of this substance is
also an environmental hazard)

Components

LEAD OXALATE

Florida substance List:

[present]

Rhode Island Right to

Know List:
Toxic

Illinois - Toxic Air
Contaminants

B2 Carcinogen, Present on
Great Waters or Great
Lakes list

Connecticut - Hazardous Air
Pollutants

3 ug/m³ HLV (fumes and dust,
as Pb)

Components

LEAD OXALATE

**SARA 313 Emission
reporting/Toxic Release
of Chemicals**form R reporting required
for 0.1% de minimis
concentration**CERCLA/SARA - Section NTP:
302 Extremely Haz**

Not Listed

None

IARC:Supplement 7, 1987;
Monograph 23, 1980;
(Evaluated as a group)**SARA 313 Notification:**

The above is your notification as to the SARA 313 listing for this product(s) pursuant to Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

If you are unsure if you are subject to the reporting requirements of Section 313, or need more information, please call the EPA Emergency Planning and Community Right-To-Know Information Hotline: (800) 535-0202 or (202) 479-2499 (in Washington, DC or Alaska).

State Notification:

The above information is your notice as to the Right-to-Know listings of the stated product(s). Individual states will list chemicals for a variety of reasons including, but not limited to, the compounds toxicity; carcinogenic, tumorigenic and/or reproductive hazards; and the compounds environmental impact if accidentally released.

16. OTHER INFORMATION**Prepared by:** Health & Safety

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End of Safety Data Sheet