



Material Safety Data Sheet

Lead(II) chloride

MSDS# 09694

Section 1 - Chemical Product and Company Identification

MSDS Name: Lead(II) chloride
Catalog Numbers: AC193310000, AC193310010, AC193310500, AC193312500
Synonyms: Lead dichloride; Plumbous chloride.

Company Identification: Acros Organics BVBA
Janssen Pharmaceuticaaan 3a
2440 Geel, Belgium

Company Identification: (USA) Acros Organics
One Reagent Lane
Fair Lawn, NJ 07410

For information in the US, call: 800-ACROS-01
For information in Europe, call: +32 14 57 52 11
Emergency Number, Europe: +32 14 57 52 99
Emergency Number US: 201-796-7100
CHEMTREC Phone Number, US: 800-424-9300
CHEMTREC Phone Number, Europe: 703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#: 7758-95-4
Chemical Name: Lead(II) chloride
%: 99+
EINECS#: 231-845-5

Hazard Symbols:



Risk Phrases:

T N



61 20/22 33 50/53 62

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Warning! Harmful if inhaled or swallowed. Danger of cumulative effects. Possible risk of impaired fertility. May cause harm to the unborn child. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Target Organs: Kidneys, central nervous system, gastrointestinal system, cardiovascular system, reproductive system, peripheral nervous system.

Potential Health Effects

Eye: May cause eye irritation.
Skin: May cause skin irritation. May be harmful if absorbed through the skin.
Ingestion: Harmful if swallowed. May cause irritation of the digestive tract.
Inhalation: Harmful if inhaled. May cause respiratory tract irritation.
Chronic: There is a danger of cumulative effects. Possible risk of harm to the unborn child. May impair fertility.

Section 4 - First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Get medical aid. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion: Do not induce vomiting. Get medical aid immediately. Call a poison control center.

Inhalation: Get medical aid immediately. Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

Notes to Physician:

Section 5 - Fire Fighting Measures

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

Extinguishing Media: Substance is noncombustible; use agent most appropriate to extinguish surrounding fire.

Autoignition Temperature: Not available

Flash Point: Not available

Explosion Limits: Not available

Lower: Not available

Explosion Limits: Not available

Upper: Not available

NFPA Rating: health: 2; flammability: 0; instability: 0;

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Wear a self contained breathing apparatus and appropriate personal protection. (See Exposure Controls, Personal Protection section). Avoid generating dusty conditions. Provide ventilation. Do not let this chemical enter the environment.

Section 7 - Handling and Storage

Handling: Minimize dust generation and accumulation. Do not get in eyes, on skin, or on clothing. Do not ingest or inhale. Use only in a chemical fume hood.

Storage: Store in a cool, dry place. Store in a tightly closed container.

Section 8 - Exposure Controls, Personal Protection

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Lead(II) chloride	0.05 mg/m ³ TWA (as Pb) (listed under Lead, inorganic compounds).	0.050 mg/m ³ TWA (as Pb) (listed under Lead compounds).100 mg/m ³ IDLH (as Pb) (listed under Lead compounds).	50 æg/m ³ TWA (as Pb) (listed under Lead, inorganic compounds).50 æg/m ³ TWA (as Pb); 30 æg/m ³ Action Level (as Pb, Poison - see 29 CFR 1910.102 5) (listed under Lead, inorganic compounds).

OSHA Vacated PELs: Lead(II) chloride: None listed

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use only under a chemical fume hood.

Exposure Limits

Personal Protective Equipment

- Eyes: 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: Wear appropriate protective gloves to prevent skin exposure.
- Clothing: Wear appropriate protective clothing to prevent skin exposure.
- Respirators: 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.

Section 9 - Physical and Chemical Properties

Physical State: Crystalline powder

Color: white to off-white

Odor: Not available

pH: Not available

Vapor Pressure: Not available

Vapor Density: Not available

Evaporation Rate: Not available

Viscosity: Not available

Boiling Point: 950 deg C (1,742.00°F)

Freezing/Melting Point: 501 deg C (933.80°F)

Decomposition Temperature: Not available

Solubility in water: 10 g/l (20°C)

Specific Gravity/Density:

Molecular Formula: Cl₂Pb

Molecular Weight: 278.11

Section 10 - Stability and Reactivity

- Chemical Stability: Stable under normal temperatures and pressures.
- Conditions to Avoid: Incompatible materials, dust generation.
- Incompatibilities with Other Materials: Not available
- Hazardous Decomposition Products: Hydrogen chloride, lead/lead oxides.
- Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information

RTECS#: CAS# 7758-95-4: OF9450000

RTECS:

LD50/LC50: CAS# 7758-95-4: Oral, rat: LD50 = >1947 mg/kg;

Carcinogenicity: Lead(II) chloride - California: carcinogen, initial date 10/1/92 (Lead compounds). NTP: Suspect carcinogen (Lead compounds). IARC: Group 2A carcinogen

Other: The toxicological properties have not been fully investigated.

Section 12 - Ecological Information

Other: Do not empty into drains.

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

US DOT

Shipping Name: LEAD COMPOUNDS, SOLUBLE, N.O.S.

Hazard Class: 6.1

UN Number: UN2291

Packing Group: III

Canada TDG

Shipping Name: Not available

Hazard Class:

UN Number:

Packing Group:

USA RQ: CAS# 7758-95-4: 10 lb final RQ; 4.54 kg final RQ

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: T N

Risk Phrases:

R 61 May cause harm to the unborn child.

R 20/22 Harmful by inhalation and if swallowed.

R 33 Danger of cumulative effects.

R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 62 Possible risk of impaired fertility.

Safety Phrases:

S 53 Avoid exposure - obtain special instructions before use.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S 60 This material and its container must be disposed of as hazardous waste.

S 61 Avoid release to the environment. Refer to special instructions/safety data sheets.

WGK (Water Danger/Protection)

CAS# 7758-95-4: Not available

Canada

CAS# 7758-95-4 is listed on Canada's DSL List

Canadian WHMIS Classifications: D1B, D2A

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

CAS# 7758-95-4 is listed on Canada's Ingredient Disclosure List

US Federal

TSCA

CAS# 7758-95-4 is listed on the TSCA Inventory.

Section 16 - Other Information

MSDS Creation Date: 9/20/2004

Revision #2 Date 7/20/2009

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.
