



Material Safety Data Sheet

Lead (IV) Acetate, 95%

MSDS# 09083

Section 1 - Chemical Product and Company Identification

MSDS Name: Lead (IV) Acetate, 95%  
Catalog Numbers: AC180620000, AC180620250, AC180621000, AC180622500, AC180625000  
Synonyms: LTA

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

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CAS#: 546-67-8  
Chemical Name: Lead (IV) Acetate  
%: 95  
EINECS#: 208-908-0  
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Hazard Symbols: T



Risk Phrases: 61 33 40 48/22 62

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Warning! Causes eye irritation. Air sensitive. Moisture sensitive. Danger of cumulative effects. May cause skin and respiratory tract irritation. Possible risk of impaired fertility. May cause harm to the unborn child. Target Organs: Eyes.

Potential Health Effects

Eye: Causes severe eye irritation.

Skin: May cause skin irritation.

Ingestion: May cause gastrointestinal irritation with nausea, vomiting and diarrhea. Ingestion of lead compounds can cause toxic effects in the blood-forming organs, kidneys and central nervous system. Ingestion of lead compounds can produce symptoms of lead poisoning. Symptoms of lead poisoning or plumbism include weakness, weight loss, lassitude, insomnia, and hypotension. It also includes constipation, anorexia, abdominal discomfort and colic. Ingestion may cause colic, constipation and weakness. Ingestion of large amounts may cause leg cramps and muscle weakness.

Inhalation: May cause respiratory tract irritation.

Chronic: Chronic exposure to lead may result in plumbism which is characterized by lead line in gum, headache, muscle weakness, mental changes.

#### Section 4 - First Aid Measures

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

Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician: The use of sodium sulfate or magnesium sulfate as a cathartic should be made by qualified medical personnel.

#### 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. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing Media: Use agent most appropriate to extinguish fire. Use water spray, dry chemical, carbon dioxide, or appropriate foam.

Autoignition Temperature: Not available

Flash Point: Not available

Explosion Limits: Lower: Not available

Explosion Limits: Upper: Not available

NFPA Rating: NFPA Rating:

#### Section 6 - Accidental Release Measures

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

Spills/Leaks: Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal. Avoid generating dusty conditions. Provide ventilation.

#### Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Use only in a well-ventilated area. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

Storage: Store in a cool, dry, well-ventilated area away from incompatible substances. Keep containers tightly closed.

#### Section 8 - Exposure Controls, Personal Protection

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Lead (IV) Acetate	none listed	0.050 mg/m3 TWA (as Pb) (listed under Lead compounds).100 mg/m3 IDLH (as Pb) (listed under Lead compounds).	none listed

OSHA Vacated PELs: Lead (IV) Acetate: None listed

Engineering Controls:

Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

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: colorless to faint pink

Odor: acetic odor

pH: Not available

Vapor Pressure: Not available

Vapor Density: Not available

Evaporation Rate: Not available

Viscosity: Not available

Boiling Point: Not available

Freezing/Melting Point: 175.00 - 180.00 deg C

Decomposition Temperature: Not available

Solubility in water: Decomposes.

Specific Gravity/Density: 2.2280g/cm<sup>3</sup>

Molecular Formula: C<sub>8</sub>H<sub>12</sub>O<sub>8</sub>Pb

Molecular Weight: 443.36

## Section 10 - Stability and Reactivity

- Chemical Stability: Stable under normal temperatures and pressures. Unstable in air.
- Conditions to Avoid: Incompatible materials, moisture, exposure to air, contact with water.
- Incompatibilities with Other Materials: Reducing agents, strong acids, alcohols.
- Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, lead/lead oxides.
- Hazardous Polymerization: Has not been reported.

## Section 11 - Toxicological Information

RTECS#: CAS# 546-67-8: AI5300000

LD50/LC50: RTECS: Not available.

Carcinogenicity: Lead (IV) Acetate - California: carcinogen, initial date 10/1/92 (Lead compounds). NTP: Suspect carcinogen (Lead compounds).

Other: See actual entry in RTECS for complete information.

## Section 12 - Ecological Information

Not available

## 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 ACETATE

Hazard Class: 6.1

UN Number: UN1616

Packing Group: III

Canada TDG

Shipping Name: Not available

Hazard Class:

UN Number:

Packing Group:

## Section 15 - Regulatory Information

### European/International Regulations

#### European Labeling in Accordance with EC Directives

Hazard Symbols: T

Risk Phrases:

R 61 May cause harm to the unborn child.

R 33 Danger of cumulative effects.

R 40 Limited evidence of a carcinogenic effect.

R 48/22 Harmful : danger of serious damage to health by prolonged exposure if swallowed.

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).

#### WGK (Water Danger/Protection)

CAS# 546-67-8: Not available

#### Canada

CAS# 546-67-8 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# 546-67-8 is not listed on Canada's Ingredient Disclosure List.

#### US Federal

##### TSCA

CAS# 546-67-8 is listed on the TSCA Inventory.

## Section 16 - Other Information

MSDS Creation Date: 7/06/1998

Revision #6 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.

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