

**LEAD ACETATE****0910**  
April 1997CAS No: 301-04-2  
RTECS No: AI5250000  
UN No: 1616  
EC No: 082-005-00-8Lead diacetate  
Lead dibasic acetate  
 $C_4H_6O_4Pb / (CH_3COO)_2Pb$   
Molecular mass: 325.3

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
<b>FIRE</b>	Not combustible. Gives off irritating or toxic fumes (or gases) in a fire.		In case of fire in the surroundings: use appropriate extinguishing media.
<b>EXPLOSION</b>			
<b>EXPOSURE</b>		<b>PREVENT DISPERSION OF DUST! STRICT HYGIENE! AVOID EXPOSURE OF (PREGNANT) WOMEN!</b>	
<b>Inhalation</b>	Cough. Sore throat See Ingestion.	Local exhaust or breathing protection.	Fresh air, rest. Refer for medical attention.
<b>Skin</b>	Redness. Pain.	Protective gloves.	Remove contaminated clothes. Rinse skin with plenty of water or shower.
<b>Eyes</b>	Redness. Pain.	Safety goggles or eye protection in combination with breathing protection.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
<b>Ingestion</b>	Abdominal cramps. Constipation. Convulsions. Nausea. Vomiting.	Do not eat, drink, or smoke during work.	Rinse mouth. Induce vomiting (ONLY IN CONSCIOUS PERSONS!). Refer for medical attention.

**SPILLAGE DISPOSAL**

Personal protection: P2 filter respirator for harmful particles. Do NOT let this chemical enter the environment. Sweep spilled substance into containers; if appropriate, moisten first to prevent dusting. Carefully collect remainder, then remove to safe place.

**PACKAGING & LABELLING**T Symbol  
N Symbol  
R: 61-33-48/22-50/53-62  
S: 53-45-60-61  
Note: E  
UN Hazard Class: 6.1  
UN Pack Group: III

Do not transport with food and feedstuffs. Marine pollutant.

**EMERGENCY RESPONSE**

Transport Emergency Card: TEC (R)-61GT5-III

**SAFE STORAGE**

Separated from bromates, carbonates, phosphates and phenols, food and feedstuffs. Well closed.

### IMPORTANT DATA

**Physical State; Appearance**

COLOURLESS CRYSTALS OR WHITE POWDER.

**Chemical dangers**

The substance decomposes on heating and on burning producing toxic and corrosive fumes including lead oxides, acetic acid. Reacts violently with bromates, phosphates, carbonates, phenols.

**Occupational exposure limits**

TLV: (as Pb) 0.05 mg/m<sup>3</sup> as TWA; A3 (confirmed animal carcinogen with unknown relevance to humans); BEI issued; (ACGIH 2004).  
MAK: (as Pb) Carcinogen category: 3B; Germ cell mutagen group: 3A; (DFG 2004).

**Routes of exposure**

The substance can be absorbed into the body by inhalation and by ingestion.

**Inhalation risk**

Evaporation at 20/C is negligible; a nuisance-causing concentration of airborne particles can, however, be reached quickly when dispersed, especially, if powdered.

**Effects of short-term exposure**

The substance is irritating to the eyes. The substance may cause effects on the blood and central nervous system, resulting in hemolytic anemia, nervous disorders, kidney impairment. The effects may be delayed. Medical observation is indicated.

**Effects of long-term or repeated exposure**

The substance may have effects on the blood, bone marrow, cardiovascular system, kidneys, nervous system, resulting in anaemia, increase of blood pressure, paralysis, kidney impairment, behavioural effects. This substance is possibly carcinogenic to humans. Does cause serious reproductive toxicity in humans.

### PHYSICAL PROPERTIES

Melting point: 280/C

Relative density (water = 1): 3.3

Solubility in water, g/100 ml at 20/C: 44

### ENVIRONMENTAL DATA

The substance is toxic to aquatic organisms. This substance may be hazardous to the environment; special attention should be given to birds, mammals, soil contamination, water quality. Bioaccumulation of this chemical may occur in plants and animals. It is strongly advised not to let the chemical enter into the environment because it persists in the environment.

### NOTES

Depending on the degree of exposure, periodic medical examination is suggested.

The symptoms of acute intoxication do not become manifest until hours have passed.

Card has been partly updated in October 2004 and 2005. See sections Occupational Exposure Limits, EU classification, Emergency Response.

### ADDITIONAL INFORMATION

#### LEGAL NOTICE

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