

LEAD(II) ARSENITE**1212**

October 1999

CAS No: 10031-13-7
 RTECS No: OF8600000
 UN No: 1618
 EC No: 033-002-00-5

Lead arsenite
 Lead metaarsenite
 $\text{As}_2\text{O}_4\text{Pb} / \text{Pb}(\text{AsO}_2)_2$
 Molecular mass: 421.0

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
FIRE	Not combustible. Gives off irritating or toxic fumes (or gases) in a fire.		In case of fire in the surroundings: use appropriate extinguishing media.
EXPLOSION			
EXPOSURE		PREVENT DISPERSION OF DUST! AVOID ALL CONTACT! AVOID EXPOSURE OF (PREGNANT) WOMEN!	IN ALL CASES CONSULT A DOCTOR!
Inhalation	Cough. Headache. Laboured breathing. Weakness Sore throat. See Ingestion.	Closed system and ventilation.	Fresh air, rest. Refer for medical attention.
Skin	Redness.	Protective gloves. Protective clothing.	Remove contaminated clothes. Rinse and then wash skin with water and soap. Refer for medical attention.
Eyes	Redness. Pain.	Face shield or eye protection in combination with breathing protection if powder.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
Ingestion	Abdominal pain. Diarrhoea. Vomiting. Burning sensation in the throat and chest. Shock or collapse.	Do not eat, drink, or smoke during work. Wash hands before eating.	Rinse mouth. Give a slurry of activated charcoal in water to drink. Induce vomiting (ONLY IN CONSCIOUS PERSONS!). Refer for medical attention.

SPILLAGE DISPOSAL

Vacuum spilled material. Carefully collect remainder, then remove to safe place. Do NOT let this chemical enter the environment. Chemical protection suit including self-contained breathing apparatus.

PACKAGING & LABELLING

T Symbol
 N Symbol
 R: 23/25-50/53
 S: (1/2-)20/21-28-45-60-61
 Note: A, 1
 UN Hazard Class: 6.1
 UN Pack Group: II

Unbreakable packaging; put breakable packaging into closed unbreakable container. Do not transport with food and feedstuffs. Marine pollutant.

EMERGENCY RESPONSE

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

SAFE STORAGE

Separated from strong oxidants, strong acids, food and feedstuffs. Well closed.

IPCS

International
 Programme on
 Chemical Safety



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 IPCS 2005

SEE IMPORTANT INFORMATION ON THE BACK.

IMPORTANT DATA

Physical State; Appearance

WHITE POWDER.

Chemical dangers

The substance decomposes on heating producing toxic fumes of arsenic and lead. Reacts with oxidants. Reacts violently with strong acids.

Occupational exposure limits

TLV: (as Pb) 0.05 mg/m³ as TWA; A3 (confirmed animal carcinogen with unknown relevance to humans);

TLV: (as As) 0.01 mg/m³ as TWA; A1 (confirmed human carcinogen); BEI issued; (ACGIH 2004).

MAK: Carcinogen category: 1; 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 harmful concentration of airborne particles can, however, be reached quickly when dispersed.

Effects of short-term exposure

The substance is irritating to the eyes, the skin and the respiratory tract. The substance may cause effects on the central nervous system, gastrointestinal tract, cardiovascular system, kidneys, resulting in severe gastroenteritis, loss of fluid and electrolytes, shock and kidney impairment. Exposure above the OEL may result in death. The effects may be delayed. Medical observation is indicated.

Effects of long-term or repeated exposure

Repeated or prolonged contact with skin may cause dermatitis. The substance may have effects on the skin, mucous membranes, bone marrow, blood, cardiovascular system, kidneys, liver and nervous system, resulting in pigmentation disorders, perforation of nasal septum, lesions of blood cells, anaemia, cardiac disorders, kidney impairment, liver impairment and neuropathy. This substance is carcinogenic to humans. Does cause serious reproductive toxicity in humans.

PHYSICAL PROPERTIES

Density: 5.85 g/cm³

Solubility in water: none

ENVIRONMENTAL DATA

This substance may be hazardous to the environment; special attention should be given to water organisms. It is strongly advised that this substance does not enter the environment.

NOTES

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

Do NOT take working clothes home.

Card has been partly updated in April 2005. See sections Occupational Exposure Limits, Emergency Response. October 2005: see section Effects of long-term or repeated exposure.

ADDITIONAL INFORMATION

LEGAL NOTICE

Neither the EC nor the IPCS nor any person acting on behalf of the EC or the IPCS is responsible for the use which might be made of this information