

SAFETY DATA SHEET (SDS) Global Harmonization System

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identifier / Product Name

REF (Product Code) 90746
Product Name Lead Acetate Impregnated Paper Tape
1 x roll Lead acetate paper

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses
Product for Analytical Use.
The Exposure scenario is integrated into sections 1-16.
Uses advised against
not described

1.3 Details of the supplier and of the safety data sheet

Manufactured by:

Envent Engineering Ltd.
2721 Hopewell Place NE
Calgary, AB, CANADA
Tel.: 1-403-253-4012

E-mail:
info@enventengineering.com

1.4 Emergency telephone number

For Chemical Emergency
Spill, Leak, Fire, Exposure, or Accident
Call Envent Engineering **1-403-253-4012**

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance(s) or mixture(s)

Lead acetate paper

GHS Directive
Hazard Symbols



GHS08

Signal Word

DANGER

Hazard Identification

H360Df
H412

Hazard Classes/Categories

Reproductive Toxicity cat. 1B
Hazardous to the aquatic environment - chronic cat. 3

2.2 Safety, health and environmental regulations/legislation specific for the substance or mixture

According to GHS inner packages must be only labelled with symbol(s) and product identifier.

Lead acetate paper

GHS Directive
Hazard Symbols:



GHS08

Signal Word: DANGER

H360Df

May damage the unborn child. Suspected of damaging fertility.

P202, P280sh, P308+313, P405

Do not handle until all safety precautions have been read and understood. Wear protective gloves/eye protection.
If exposed or concerned: Get medical advice/attention. Store locked up.

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2.3 Other hazards

Possible Hazards from physicochemical Properties

Information pertaining to particular Risks to Human and possible Symptoms
Can accumulate within the body.

Information pertaining to particular Risks to the Environment

Other Hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances or 3.2 Mixtures

Lead acetate paper tape

Chemical: lead(II) acetate (trihydrate)

Weight Percent: 10%

Chemical Formula: $C_4H_6O_4Pb \cdot 3H_2O$

Toxic Substance Control Act (TSCA) Inventory: not listed

Registry of Toxic Effects of Chemical Substances (RTECS): OF8050000

EC No.: 206-104-4

acc. 1999/45/EC: R33-52-53-61

Correlation Factor: $x \cdot 0.546$ (=%Pb)

Indice No: 082-005-00-8

acc. GHS: H360Df, H412

Chemical : filter paper (cellulose CAS 9004-34-6)

Weight Percent: 80-100%

Chemical Formula: $(C_6H_{10}O_5)_n$

Toxic Substance Control Act TSCA Inventory: listed

Registry of Toxic Effects of Chemical Substances (RTECS): FJ5691460

EC No.: 232-674-9

acc. 1999/45/EC: -

acc. GHS: not necessary

3.3 Remarks

List of R and H phrases: see section 16

SECTION 4: FIRST AID MEASURES

4.1 Description of First aid measures

Place insured person out of danger zone to fresh air immediately. Ensure quiet, warmth, and provide resuscitation if necessary. If necessary, contact medical advice.

4.1.1 **After SKIN Contact**

Remove dust with wetted tissue. Remove contaminated clothing. Rinse the affected skin or mucous membrane thoroughly under running water.

4.1.2 **After EYE Contact**

Rub dust with teardrops from eyes or: After contact with the eyes rinse thoroughly under running water with the eyelid wide open with eye washing bottle, eye douche or running water (protect intact eye).

4.1.3 **After INHALATION of Vapors**

After inhalation of dust fresh air should be inhaled.

4.1.4 **After ORAL Intake**

After oral intake lots of water should be drunk after it has been ingested.

4.2 **Most important symptoms and effects, both acute and delayed**

4.3 **Indication of any immediate medical attention and special treatment needed**

SECTION 5: FIREFIGHTING MEASURES

5.1 **Extinguishable Media**

Fire extinguishers appropriate to the fire classification, and, if applicable, a fire blanket must be available in a prominent location in the work area. All extinguishers like WATER FOG, WATER SPRAY, alcohol-resistant FOAM, DRY CHEMICAL, CARBON DIOXIDE can be used.

5.2 **Special hazards arising from the substance or mixture**

5.3 **Advice for firefighters**

No, for listed product. Product package burns like paper or plastic.

5.4 **Additional Information**

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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective equipment and Emergency procedure

Regular staff training is necessary.

6.2 Environmental precautions

6.3 Methods and material for containment and cleaning up

6.4 Reference to other sections

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Handling in accordance with the test instruction, that comes with the product.

7.2 Conditions for safe storage, including any incompatibilities

The original product package of Envent Engineering allows a safe storage.

Storage class: see section 12.1

7.2.1 Conditions for safe storage, including any incompatibilities

Keep original product packages tightly closed during handling and storage.

7.3 Specific end use(s)

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Lead acetate paper

Chemical: *lead(II) acetate (trihydrate)*

CAS No.: 6080-56-4

Canada CEPA 1999:

not listed

TSCA Inventory:

not listed

California Prop. 65 List: listed cancer

NIOSH:

NTP Report on Carcinogens (RoC) List Yes (Lead compound - Reasonably anticipated to be a

human carcinogen)

OSHA:

not listed

EU carcinogen:

Re 1, Rf 3

EU value:

0.15 Pb mg/m³

Chemical: *filter paper (cellulose CAS 9004-34-6)*

CAS No.: -

Canada CEPA 1999:

DSL yes

TSCA Inventory:

listed

California Prop. 65 List: not listed

NIOSH:

not listed

OSHA:

not listed

8.2 Exposure controls

The highest level of cleanliness must be maintained at the workplace.

8.2.1 Respiratory Protection

Only if additional recommendations in test instruction or packing insert.

8.2.2 Hand Protection

Yes, gloves (permeation time >30 min - level 2), consist of PVC, Natural latex, Neopren, or Nitril. Use for short times chemical resistant Latex gloves f.ex. with code EN 374-3 level 1.

8.2.3 Eye/face Protection

Yes, Splash Goggles.

8.2.4 Skin Protection

Recommended.

8.2.5 Hygiene measures

Eating, drinking, smoking, taking snuff and storage of food in work areas and at outdoor workplaces is prohibited. Avoid contact with the skin, eyes and clothing. Rinse any clothing on which the substance has been spilled, and soak it in water. Wash hands thoroughly with soap and water when stopping work and before eating, and then apply protective skin cream.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Lead acetate paper

Appearance : solid

Color : colorless

Odor : acetic

pH: 5-7

9.2 Other information

SECTION 10: STABILITY AND REACTIVITY

- 10.1 Reactivity**
no data available
- 10.2 Chemical stability**
no data available
- 10.3 Possibility of hazardous reactions**
no data available
- 10.4 Conditions to avoid**
- 10.5 Incompatible materials**
Only avoid contact with concentrated acids.
- 10.6 Hazardous decomposition products**
In the original package all parts/all reagents are safety and separated stored. Decompositions are not observed during the expiration period under recommended conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

- 11.1 Information on toxicological effects**
Following information is valid for pure substances.
- Lead acetate paper**
- | | | |
|--|--------------------------------------|--------------------|
| Chemical: LD50 _{orl} rat : | <i>lead(II) acetate (trihydrate)</i> | CAS No.: 6080-56-4 |
| | 4665 mg/kg | |
| LC _{Low} _{orl} hmn : | 714 mg/kg | |
-
- | | | |
|---------------------------|---|------------|
| Chemical: | <i>filter paper (cellulose CAS 9004-34-6)</i> | CAS No.: - |
| LD50 _{orl} rat : | >5000 mg/kg | |
| LC50 _{ihl} rat : | >58004h mg/m ³ | |
| LD50 _{drm} rbt : | >2000 mg/kg | |

SECTION 12: ECOLOGICAL INFORMATION

- 12.1 Toxicity**
Following information is valid for pure chemicals.
- Lead acetate paper**
- | | | |
|-----------|--------------------------------------|--------------------|
| Chemical: | <i>lead(II) acetate (trihydrate)</i> | CAS No.: 6080-56-4 |
|-----------|--------------------------------------|--------------------|
-
- | | | |
|-----------|---|------------|
| Chemical: | <i>filter paper (cellulose CAS 9004-34-6)</i> | CAS No.: - |
|-----------|---|------------|
- 12.2 Persistence and degradability**
no data available
- 12.3 Bioaccumulative potential**
no data available
- 12.4 Mobility in soil**
no data available
- 12.5 Results of PBT and vPvB assessment**
no data available
- 12.6 Other adverse effects**
no data available

SECTION 13: DISPOSAL CONSIDERATIONS

Please observe local regulations for collection and disposal of hazardous waste and contact waste disposal company, where you will obtain information on laboratory waste disposal (RCRA Code D002/D003, EU waste code number 16 05 06).

- 13.1 Waste treatment methods**

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SECTION 14: TRANSPORT INFORMATION

No dangerous goods according to IATA transport regulations

- 14.5 Environmental hazards**
low, small amounts
- 14.6 Special precautions for user**
not necessary
- 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**
not applicable

SECTION 15: REGULATORY INFORMATION

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
U.S. Federal Regulations
 OSHA "A Guide to The Globally Harmonized System of Classification and Labelling of Chemicals (GHS)"
<https://www.osha.gov/dsg/hazcom/ghs.html>
 29 CFR 1910.1200 Hazard communication.
 NIOSH Workplace Safety & Health Topics
 TSCA Inventory
U.S. State Regulations
 California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986
Canada
 Canada CEPA 1999 - Domestic Substances List (DSL), List of Toxic Substances (Schedule 1)
- 15.2 Chemical safety assessment**
---not necessary for these small amounts

SECTION 16: OTHER INFORMATION

- 16.1 List of R and H Phrases**
 - 16.1.1 List of relevant R Phrases**

R33	Danger of cumulative effects.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R61	May cause harm to the unborn child.
 - 16.1.2 List of relevant H Phrases**

H360Df	May damage the unborn child. Suspected of damaging fertility.
H412	Harmful to aquatic life with long lasting effects.
- 16.2 Training Advice**
Multiple safety training of staffs about danger and protection by using hazards in working area.
- 16.3 Recommended Restriction on Use**
Only for Professional User.
An individual package of this product or test kit has a moderate hazardous potential.
- 16.4 Further Information**
 Envent Engineering Ltd. provides the information contained herein in good faith being up-to-date of own realizations at revision time.
 This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgement in determining its appropriateness for a particular purpose.
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- 16.5 Sources of Key Data**
 GHS: EU Regulation 1272/2008/EC on Classification, Labelling and Packaging of Substances and Mixtures, amending and repealing EU Directives 67/548/EEC and 1999/45/EC, and amending EU Regulation 1907/2006/EC
 MSDS: EU Regulation 453/2010/EU REACH - Requirements for the Compilation of Safety Data Sheets
 KÜHN, BIRETT (German), Data Sheets of Hazardous Substances

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