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.
7060 Farrell Road SE
Calgary, AB, CANADA
Tel.: 1-403-253-4012
E-mail: info@envent-eng.com

1.4 Emergency telephone number
For Chemical Emergency
Spill, Leak, Fire, Exposure, or Accident
Call Envent Engineering 1-403-253-4012
Toll Free: 1-877-936-8368

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance(s) or mixture(s)
Lead acetate paper

EU Directive 1999/45/EC
Hazard Symbols
R 33-61

GHS Directive
Hazard Symbols
T

Signal Word
DANGER

Hazard Identification
H360Df Reproductive Toxicity cat. 1B
H412 Hazardous to the aquatic environment - chronic cat. 3

2.2 Safety, health and environmental regulations/legislation specific for the substance or mixture
According GHS inner packages must be only labelled with symbol(s) and product identifier.

Lead acetate paper

EU Directive 1999/45/E
Hazard Symbols:
T
R 33-61
Danger of cumulative effects. May cause harm to the unborn child.

S 53
Avoid exposure — obtain special instructions before use.

GHS Directive
Hazard Symbols:

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.

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

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: C4 H6 O4 Pb .3H2 O
Toxic Substance Control Act (TSCA) Inventory: not listed
Registry of Toxic Effects of Chemical Substances (RTECS): OF8050000
EC No.: 206-104-4 Indice No: 082-005-00-8

Chemical : filter paper (cellulose CAS 9004-34-6)
Weight Percent: 80-100%
Chemical Formula: (C6 H10 O5 )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

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

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

8.1.1 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: R2 1, R3 1
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.
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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Lead acetate paper

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>solid</td>
</tr>
<tr>
<td>Color</td>
<td>colorless</td>
</tr>
<tr>
<td>Odor</td>
<td>acetic</td>
</tr>
<tr>
<td>PH</td>
<td>5-7</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Chemical</th>
<th>LD50 orl rat</th>
<th>LC50 orl hmn</th>
<th>LC50 inh rat</th>
<th>LD50 drm rbt</th>
</tr>
</thead>
<tbody>
<tr>
<td>lead(II) acetate (trihydrate)</td>
<td>4665 mg/kg</td>
<td>714 mg/kg</td>
<td>&gt;5000 mg/kg</td>
<td>&gt;2000 mg/kg</td>
</tr>
<tr>
<td>filter paper (cellulose CAS 9004-34-6)</td>
<td>&gt;5800 4h mg/m³</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Following information is valid for pure chemicals.

Lead acetate paper

<table>
<thead>
<tr>
<th>Chemical</th>
<th>CAS No.: 6080-56-4</th>
</tr>
</thead>
<tbody>
<tr>
<td>lead(II) acetate (trihydrate)</td>
<td></td>
</tr>
<tr>
<td>filter paper (cellulose CAS 9004-34-6)</td>
<td></td>
</tr>
</tbody>
</table>

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
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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

SECTION 14: TRANSPORT INFORMATION

No dangerous goods according the 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
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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