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**MATERIAL SAFETY DATA SHEET (MSDS)**

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

Product form : Substance  
:  
CAS No : 6080-56-4  
Product code : 04358

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

**1.2.1. Relevant identified uses**

Use of the substance/mixture : Industrial. For professional use only

**1.2.2. Uses advised against**

No additional information available

**1.3. Details of the supplier of the safety data sheet**

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**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Specific target organ toxicity — Repeated exposure, Category 2 H373  
Hazardous to the aquatic environment — Acute Hazard, Category 1 H400  
Hazardous to the aquatic environment — Chronic Hazard, Category 1 H410

Full text of classification categories and H statements : see section 16

**Classification according to Directive 67/548/EEC or 1999/45/EC**

Repr.Cat.1; R61  
Repr.Cat.3; R62

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Xn; R48/22  
N; R50/53  
R33

Full text of R-phrases: see section 16

### Adverse physicochemical, human health and environmental effects

No additional information available

## 2.2. Label elements

### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS08

GHS09

Signal word (CLP) :

Warning

Hazard statements (CLP) :

H373 - May cause damage to organs through prolonged or repeated exposure  
H410 - Very toxic to aquatic life with long lasting effects

Precautionary statements (CLP) :

P260 - Do not breathe dust/fume/gas/mist/vapours/spray  
P273 - Avoid release to the environment  
P314 - Get medical advice/attention if you feel unwell  
P391 - Collect spillage  
P501 - Dispose of contents/container to ...

## 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Name : LEAD ACETATE (TRIHYDRATE) AR/ACS  
CAS No : 6080-56-4

Full text of R- and H-phrases: see section 16

### 3.2. Mixture

Not applicable

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Give oxygen or artificial respiration if necessary. If you feel unwell, seek medical advice.  
First-aid measures after skin contact : Gently wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

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First-aid measures after eye contact : Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Rinse mouth out with water. If you feel unwell, seek medical advice.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : Causes damage to organs. There are potential chronic health effects to consider.

### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Water spray.

Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

No additional information available

### 5.3. Advice for firefighters

No additional information available

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

No additional information available

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

No additional information available

### 6.4. Reference to other sections

No additional information available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid breathing dust/fume/gas/mist/vapours/spray.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in original container. Keep container tightly closed. Store in a dry place.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

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### 8.2. Exposure controls

|                          |                                      |
|--------------------------|--------------------------------------|
| Hand protection          | : protective gloves                  |
| Eye protection           | : Chemical goggles or safety glasses |
| Skin and body protection | : Wear suitable protective clothing  |
| Respiratory protection   | : Wear appropriate mask              |

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

|  |                                  |
|--|----------------------------------|
| Physical state                             | : Solid                          |
| Colour                                     | : White crystalline.             |
| Odour                                      | : slight acetic acid odor.       |
| Odour threshold                            | : No data available              |
| pH   | : 5.5 - 6.5                      |
| Relative evaporation rate (butylacetate=1) | : No data available              |
| Melting point                              | : 75 °C                          |
| Freezing point                             | : No data available              |
| Boiling point                              | : No data available              |
| Flash point                                | : No data available              |
| Auto-ignition temperature                  | : No data available              |
| Decomposition temperature                  | : No data available              |
| Flammability (solid, gas)                  | : No data available              |
| Vapour pressure                            | : No data available              |
| Relative vapour density at 20 °C           | : No data available              |
| Relative density                           | : No data available              |
| Density                                    | : 2.55 g/cm <sup>3</sup>         |
| Solubility                                 | : Water: 60 (gm in 100 gm water) |
| Log Pow                                    | : No data available              |
| Viscosity, kinematic                       | : No data available              |
| Viscosity, dynamic                         | : No data available              |
| Explosive properties                       | : No data available              |
| Oxidising properties                       | : No data available              |
| Explosive limits                           | : No data available              |

#### 9.2. Other information

No additional information available

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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No additional information available

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No additional information available

#### 10.4. Conditions to avoid

Direct sunlight. Air contact. Moisture.

#### 10.5. Incompatible materials

No additional information available

#### 10.6. Hazardous decomposition products

No additional information available

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Not classified

Skin corrosion/irritation : Not classified  
pH: 5.5 - 6.5

Serious eye damage/irritation : Not classified  
pH: 5.5 - 6.5

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : May cause damage to organs through prolonged or repeated exposure.

Additional information : There are potential chronic health effects to consider

Aspiration hazard : Not classified

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - water : Very toxic to aquatic life with long lasting effects.

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### 12.2. Persistence and degradability

#### LEAD ACETATE (TRIHYDRATE) AR/ACS (6080-56-4)

|                               |   |
|-------------------------------|---|
| Persistence and degradability | May cause long-term adverse effects in the environment. |
|-------------------------------|---|

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose of contents/container to ...

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

### 14.1. UN number

|               |        |
|---------------|--------|
| UN-No. (ADR)  | : 1616 |
| UN-No. (IMDG) | : 1616 |
| UN-No.(IATA)  | : 1616 |
| UN-No.(ADN)   | : 1616 |
| UN-No. (RID)  | : 1616 |

### 14.2. UN proper shipping name

|                                       |  |
|---------------------------------------|--|
| Proper Shipping Name (ADR)            | : LEAD ACETATE   |
| Proper Shipping Name (IMDG)           | : LEAD ACETATE   |
| Proper Shipping Name (IATA)           | : LEAD ACETATE   |
| Proper Shipping Name (ADN)            | : LEAD ACETATE   |
| Proper Shipping Name (RID)            | : LEAD ACETATE   |
| Transport document description (ADR)  | : UN 1616 LEAD ACETATE, 6.1, III, (E), ENVIRONMENTALLY HAZARDOUS             |
| Transport document description (IMDG) | : UN 1616 LEAD ACETATE, 6.1, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS |
| Transport document description (IATA) | : UN 1616 LEAD ACETATE, 6.1, III, ENVIRONMENTALLY HAZARDOUS                  |
| Transport document description (ADN)  | : UN 1616 LEAD ACETATE, 6.1, III, ENVIRONMENTALLY HAZARDOUS                  |
| Transport document description (RID)  | : UN 1616 LEAD ACETATE, 6.1, III, ENVIRONMENTALLY HAZARDOUS                  |

### 14.3. Transport hazard class(es)

#### ADR

|                                  |       |
|----------------------------------|-------|
| Transport hazard class(es) (ADR) | : 6.1 |
| Danger labels (ADR)              | : 6.1 |

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### IMDG

Transport hazard class(es) (IMDG) : 6.1

Danger labels (IMDG) : 6.1



### IATA

Transport hazard class(es) (IATA) : 6.1

Hazard labels (IATA) : 6.1



### ADN

Transport hazard class(es) (ADN) : 6.1

Danger labels (ADN) : 6.1



### RID

Transport hazard class(es) (RID) : 6.1

Danger labels (RID) : 6.1



### 14.4. Packing group

Packing group (ADR) : III

Packing group (IMDG) : III

Packing group (IATA) : III

Packing group (ADN) : III

Packing group (RID) : III

### 14.5. Environmental hazards

Dangerous for the environment : Yes

Marine pollutant : Yes

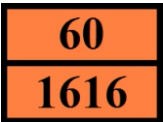
Other information : No supplementary information available

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### 14.6. Special precautions for user

#### - Overland transport

|   |   |
|---|---|
| Classification code (ADR)   | : T5  |
| Limited quantities (ADR)  | : 5kg   |
| Excepted quantities (ADR)   | : E1  |
| Packing instructions (ADR)  | : P002, IBC08, LP02, R001   |
| Special packing provisions (ADR)  | : B3  |
| Mixed packing provisions (ADR)  | : MP10  |
| Portable tank and bulk container instructions (ADR)                     | : T1  |
| Portable tank and bulk container special provisions (ADR)               | : TP33  |
| Tank code (ADR)   | : SGAH, L4BH  |
| Tank special provisions (ADR)   | : TU15, TE19  |
| Vehicle for tank carriage   | : AT  |
| Transport category (ADR)  | : 2   |
| Special provisions for carriage - Bulk (ADR)                            | : VC1, VC2, AP7   |
| Special provisions for carriage - Loading, unloading and handling (ADR) | : CV13, CV28  |
| Special provisions for carriage - Operation (ADR)                       | : S9  |
| Hazard identification number (Kemler No.)                               | : 60  |
| Orange plates   | :  |
| Tunnel restriction code (ADR)   | : E   |
| EAC code  | : 2Z  |

#### - Transport by sea

|                                 |              |
|---------------------------------|--------------|
| Limited quantities (IMDG)       | : 5 kg       |
| Excepted quantities (IMDG)      | : E1         |
| Packing instructions (IMDG)     | : P002, LP02 |
| IBC packing instructions (IMDG) | : IBC08      |
| IBC special provisions (IMDG)   | : B3         |
| Tank instructions (IMDG)        | : T1         |
| Tank special provisions (IMDG)  | : TP33       |
| EmS-No. (Fire)                  | : F-A        |
| EmS-No. (Spillage)              | : S-A        |
| Stowage category (IMDG)         | : A          |
| MFAG-No                         | : 151        |

#### - Air transport

|  |         |
|--|---------|
| PCA Excepted quantities (IATA)               | : E1    |
| PCA Limited quantities (IATA)                | : Y645  |
| PCA limited quantity max net quantity (IATA) | : 10kg  |
| PCA packing instructions (IATA)              | : 670   |
| PCA max net quantity (IATA)                  | : 100kg |
| CAO packing instructions (IATA)              | : 677   |
| CAO max net quantity (IATA)                  | : 200kg |
| ERG code (IATA)                              | : 6L    |



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### - Inland waterway transport

|                                   |          |
|-----------------------------------|----------|
| Classification code (ADN)         | : T5     |
| Special provisions (ADN)          | : 802    |
| Limited quantities (ADN)          | : 5 kg   |
| Excepted quantities (ADN)         | : E1     |
| Equipment required (ADN)          | : PP, EP |
| Number of blue cones/lights (ADN) | : 0      |

### - Rail transport

|   |                           |
|---|---------------------------|
| Classification code (RID)                                     | : T5                      |
| Limited quantities (RID)                                      | : 5kg                     |
| Excepted quantities (RID)                                     | : E1                      |
| Packing instructions (RID)                                    | : P002, IBC08, LP02, R001 |
| Special packing provisions (RID)                              | : B3                      |
| Mixed packing provisions (RID)                                | : MP10                    |
| Portable tank and bulk container instructions (RID)           | : T1                      |
| Portable tank and bulk container special provisions (RID)     | : TP33                    |
| Tank codes for RID tanks (RID)                                | : SGAH, L4BH              |
| Special provisions for RID tanks (RID)                        | : TU15                    |
| Transport category (RID)                                      | : 2                       |
| Special provisions for carriage – Bulk (RID)                  | : VC1, VC2, AP7           |
| Special provisions for carriage – Loading and unloading (RID) | : CW13, CW28, CW31        |
| Colis express (express parcels) (RID)                         | : CE11                    |
| Hazard identification number (RID)                            | : 60                      |

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

No REACH Annex XVII restrictions

LEAD ACETATE (TRIHYDRATE) AR/ACS is not on the REACH Candidate List

LEAD ACETATE (TRIHYDRATE) AR/ACS is not on the REACH Annex XIV List

#### 15.1.2. National regulations

##### Germany

AwSV/VwVwS Annex reference : Water hazard class (WGK) 3, strongly hazardous to water (KBwS-Beschluss; WGK No 36)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

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### Denmark

Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product  
Pregnant/breastfeeding women working with the product must not be in direct contact with the product  
The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal

### 15.2. Chemical safety assessment

No additional information available

### SECTION 16: Other information

Full text of R-, H- and EUH-phrases:

|                   |   |
|-------------------|---|
| Aquatic Acute 1   | Hazardous to the aquatic environment — Acute Hazard, Category 1                                 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment — Chronic Hazard, Category 1                               |
| STOT RE 2         | Specific target organ toxicity — Repeated exposure, Category 2                                  |
| H373              | May cause damage to organs through prolonged or repeated exposure                               |
| H400              | Very toxic to aquatic life  |
| H410              | Very toxic to aquatic life with long lasting effects  |
| R33               | Danger of cumulative effects  |
| R48/22            | Harmful: danger of serious damage to health by prolonged exposure if swallowed                  |
| R50/53            | Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment |
| R61               | May cause harm to the unborn child  |
| R62               | Possible risk of impaired fertility   |
| N                 | Dangerous for the environment   |
| Xn                | Harmful   |

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*