

# Safety Data Sheet

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

Revision Date: 16.08.2022 Version 2

# TEKKİM

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

### 1.1 Product identifier

Catalog No. TK.201040.00000  
Product Name Lead (II) Acetate Trihydrate  
Cas no 6080-56-4

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

#### 1.2.1. Relevant identified uses

Use as a laboratory reagent.

#### 1.2.2. Uses advised against

No information available.

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

Name TEKKİM KİMYA SAN. TİC. LTD. ŞTİ.  
Street ORGANİZE SAN. BÖL. MAVİ CAD. 8. SOK. NO :1 NİLÜFER / BURSA  
Telephone 0224 243 21 71  
E-mail erhan@tekkim.com.tr  
Company Representative Erhan DİLER

**1.4 Emergency Telephone Number +90 506 990 36 86**

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

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

Serious eye damage, Category 1  
Reproductive toxicity, Category 1A  
Specific Target Organ Toxicity – Repeated exposure, Category 2, Central nervous system, Blood, Immune system, Kidney  
Short term (acute) aquatic hazard, Category 1  
Long (chronic) aquatic hazard, Category 1

For the full text of the H and EUH statements referred to in this section, see section 16.

### 2.2 Label elements

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

Hazard pictograms



Signal word (SEA)

DANGER

Hazard Statements (SEA)

H318 Causes serious eye damage.

H360 May damage fertility or the unborn child.


H373 May cause damage to organs through prolonged or repeated exposure. (Central nervous system, Blood, Immune system, Kidney)

H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements (SEA)



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## Prevention

- P201 Read special instructions before use.  
P202 Do not handle until all precautionary statements have been read and understood.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

## Intervention

- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if fitted and easy to do. Continue rinsing.  
P308+P313 IF exposed and concerned: Get medical advice/attention.

## SECTION 3: Composition/information on ingredients

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

### 3.1 Maddeler

EC No	206-104-4
Molar mass	379.34 g/mol
Cas No	6080-56-4
Concentration	(<= 100 % )

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General information	In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
Following inhalation	Remove casualty to fresh air and keep warm and at rest..
Following skin contact	Wash with plenty of water. Take off contaminated clothing.
Following eye contact	In case of contact with eyes, rinse eyelids with water for 10-15 minutes. See a doctor immediately.
Following ingestion	Give up to two glasses of water. Get medical help immediately.

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

The most important known symptoms and effects are described in the labelling

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

No information available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

*Suitable extinguishing media*  
Use extinguishing measures appropriate to the environment.  
*Unsuitable extinguishing media*  
There is no restriction for this item.

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

Lead oxides. It is not flammable. Fire may cause evolution of: metal fumes. All-round fire can release dangerous vapours.

### 5.3 Advice for firefighters

*Special protective equipment for firefighters*  
Do not stay in dangerous zone without self-contained breathing apparatus. Keep a safe distance to cut off contact with skin and wear suitable protective clothing.

### 5.4 Additional information

Stop and contain spill/release if it can be done safely. If this cannot be done, allow fire to burn under control.

## SECTION 6: Accidental release measures

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



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Advice for non-emergency personnel: Don't breathe vapours, aerosols. Avoid substance contact. Keep away from head and source of ignition. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert..

## 6.2 Environmental precautions

Do not allow to enter into surface water or drains.

## 6.3 Methods and material for containment and cleaning up

Close drainage channels. Take up with liquid-absorbent material. Clean the affected area. Avoid generation of dust..

## 6.4 Reference to other sections

Disposal: see section 13.

## 6.5 Additional information

Clear spills immediately.

## SECTION 7: Handling and Storage

### 7.1 Precautions for safe handling

*Advices on safe handling*

Pay attention to the precautions on the label. Work with the title. Do not inhale the substance. Avoid the formation of dust.

*Advices on general occupational hygiene*

Change contaminated clothing. Wash hands after working with substance. It is recommended to use a skin protection cream.

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

*Storage conditions*

Keep container tightly closed in dry and well-ventilated places.

### 7.3 Specific end uses

There are no other specific uses other than those mentioned in section 1.2.

## SECTION 8: Exposure controls / personal protection

### 8.1 Control parameters

Lead(II) Acetate Trihydrate (6080-56-4)

EN OEL 8-hour fixed for reference time measured or calculated time weighted average (TWA): 0,15 mg/m<sup>3</sup>

### 8.2 Exposure controls

#### Appropriate engineering controls

More attention should be paid to technical measures against the use of personal protective equipment.

#### Personal protection equipment

*Eye/face protection*

Fully fitting safety glasses

*Hand protection*



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## Hand protection

### Full contact

Glove material : Nitrile rubber

Glove thickness :0,11 mm

Break through time : >480 minute

### Splash contact

Glove material : Nitrile rubber

Glove thickness :0,11 mm

Break through time : >480 minute

The protective gloves to be used must comply with the specifications of directive 89/686/EEC and the related standart EN374.

### Other skin protection

Protective chlothing.

### Respiratory protection

Required when dusts occur.

Recommended filter type :P 3 Filter (according to DIN 3181) for solid and liquid particles of harmful elements.

## SECTION 9: Physical and chemical Properties

### 9.1 Information on basic physical and chemical properties

Physical state	Solid
Colour	off-white
Odour	Characteristic
Odour threshold	No information.
pH value	5.5 - 6.5 50 g/l 20 °C
Melting point/freezing point	75 °C
Freezing point	No information.
Initial boiling point and boiling range	Not applicable.
Flash point	Not applicable.
Evaporation rate	No information.
Flammability (solid, gas)	No information.
Upper/lower flammability or explosive limits	No information.
Upper/lower flammability or explosive limits	No information.
Vapour pressure	No information.
Vapour density	No information.
Density	2.55 g/cm3 20 °C
Relative density	No information.
Water solubility (g/l)	443 g/l 20 °C
Fat solubility (g/l)	No information.
Partition coefficient: n-octanol/water	No information.
Auto-ignition temperature	No information.
Decomposition temperature	> 75 °C

## Viscosity

Kinematic viscosity	No information.
Dynamic viscosity	No information.
Explosive properties	Not classified as explosive.
Oxidising properties	none

## SECTION 10: Stability and Reactivity

### 10.1 Reactivity

Section 10.3 to see.

### 10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.



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## 10.3 Possibility of hazardous reactions

Risk of explosion with strong acids, bromates, phenol.  
Violent reactions possible with strong oxidizing agents, strong bases.

## 10.4 Conditions to avoid

No information available.

## 10.5 Incompatible materials

No information available.

## 10.6 Hazardous decomposition products

No known hazardous decomposition products.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Acute oral toxicity  
LD50 Rat: 4.665 mg/kg  
OECD Test Guideline 401  
(anhydrous substance)

Serious eye damage/eye irritation  
Eyes - Bovine cornea  
Result: Causes serious eye damage. - 4 h  
(OECD Testing Guide 437)

### CMR effects

Teratogenicity (possibility to cause developmental disabilities):  
It can harm the unborn baby. Positive finding in epidemiological studies in humans.  
Reproductive toxicity:  
Suspected of damaging fertility.

Specific Target Organ Toxicity - Repeated exposure  
May cause damage to organs through prolonged or repeated exposure.  
Target Organs: Central nervous system, Blood, Immune system, Kidney

### 11.2 Additional information

Excessive exposure may affect the blood, nervous and digestive systems. Hemoglobin synthesis is inhibited and as a result anemia occurs. Additional symptoms of overexposure include joint and muscle aches, weakness in the opening muscles (often in the hands and wrists), headache, drowsiness, abdominal pain, diarrhea, constipation, nausea, vomiting, bruising of the gums, insomnia, and a rusty taste in the mouth. High levels in the body cause increased cerebrospinal pressure, brain damage, coma, and fainting, which often results in death. It has been reported that lead salts cross the placenta and cause embryo/foetal deaths. These salts also have a teratogenic effect in some animal species. Lead has been reported to have adverse effects on human reproduction, embryonic and fetal development, and postnatal development (eg mental development).

## SECTION 12: Ecological information

### 12.1 Toxicity

No information available.

### 12.2 Persistence and degradability

Methods for measuring biological degradation cannot be applied to inorganic substances.

### 12.3 Bioaccumulative potential

No information available.

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

Substance does not meet the criteria for PBT or vPvB.

### 12.6 Other adverse effects

Harmful mixtures may form with water.  
Discharge into the environment should be prevented.



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## SECTION 13: Disposal considerations

### Waste treatment methods

It must be disposed of in accordance with national and local regulations. Do not mix with other products. Uncleaned Treat packages as if it were the product itself ... Waste materials must be disposed of in accordance with national and local regulations.

## SECTION 14: Transport information

ADR	IMDG	IATA	ADN	RID
<b>14.1 UN number</b>				
UN 1616	UN 1616	UN 1616	UN 1616	UN 1616
<b>14.2 UN proper shipping name</b>				
LEAD ACETATE 6.1, III, Marine Pollutant: P, Segregation Group: 7 (Heavy metals and their salts (including their organometallic compounds))9 (Lead and its compounds)	LEAD ACETATE 6.1, III, Marine Pollutant: P, Segregation Group: 7 (Heavy metals and their salts (including their organometallic compounds))9 (Lead and its compounds)	LEAD ACETATE 6.1, III, Marine Pollutant: P, Segregation Group: 7 (Heavy metals and their salts (including their organometallic compounds))9 (Lead and its compounds)	LEAD ACETATE 6.1, III, Marine Pollutant: P, Segregation Group: 7 (Heavy metals and their salts (including their organometallic compounds))9 (Lead and its compounds)	LEAD ACETATE 6.1, III, Marine Pollutant: P, Segregation Group: 7 (Heavy metals and their salts (including their organometallic compounds))9 (Lead and its compounds)
<b>14.3 Transport hazard class(es)</b>				
6.1	6.1	6.1	6.1	6.1
				
<b>14.4 Packing group</b>				
III	III	III	III	III
<b>14.5 Environmental hazards</b>				
YES	YES	YES	YES	YES
No information available.	No information available.	No information available.	No information available.	No information available.

### 14.6 Special Precautions for User:

No information available.

## SECTION 15: Regulatory information

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

This product safety data sheet complies with the requirements of EU Regulation 1907/2006.

### 15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been conducted for this substance.

## SECTION 16: Other informations

### Full text of H statements

H318 Causes serious eye damage.


H360 May damage fertility or the unborn child.

H373 May cause damage to organs through prolonged or repeated exposure. (Central nervous system, Blood, Immune system, Kidney)

H410 Very toxic to aquatic life with long lasting effects.



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Person Who Prepared the Safety Data Sheet:

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