

Lead(II) acetate trihydrate**11504-5KG**

Version 1.2

Revision Date 12/15/2023

Print Date 12/16/2023

SECTION 1. IDENTIFICATION

Product name : Lead(II) acetate trihydrate

Number : 000000021210

Product Use Description : Laboratory chemicals

Manufacturer or supplier's details : Honeywell International Inc.
1953 South Harvey Street
Muskegon, MI 49442

For more information call : 1-800-368-0050
+1-231-726-3171(Monday-Friday, 9:00am-5:00pm)

In case of emergency call : **Medical: 1-800-498-5701 or +1-303-389-1414**
: **Transportation (CHEMTREC): 1-800-424-9300 or**
: **+1-703-527-3887**
:
: (24 hours/day, 7 days/week)

SECTION 2. HAZARDS IDENTIFICATION**Emergency Overview**

Form : solid

Color : colourless

Odor : stinging

Classification of the substance or mixture

Classification of the substance or mixture : Serious eye damage, Category 1
Carcinogenicity, Category 2
Reproductive toxicity, Category 1A
Specific target organ toxicity - repeated exposure, Category 2,
Central nervous system

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GHS Label elements, including precautionary statements

Symbol(s)

:



Signal word

: Danger

Hazard statements

: Causes serious eye damage.
Suspected of causing cancer.
May damage fertility or the unborn child.
May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

: **Prevention:**
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
Wear protective gloves/ protective clothing/ eye protection/ face protection.**Response:**IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER or doctor/ physician.**Storage:**

Store locked up.

Disposal:

Dispose of contents/ container to an approved waste disposal plant.

Carcinogenicity

NTP:

Lead acetate trihydrate

6080-56-4

Reasonably Anticipated to be a Human Carcinogen.

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTSFormula : $C_4H_6O_4Pb \cdot 3H_2O$

Chemical nature : Substance

Chemical name	CAS-No.	Concentration
Lead acetate trihydrate	6080-56-4	100.00 %

SECTION 4. FIRST AID MEASURES

Inhalation : Call a physician immediately. Remove to fresh air. If breathing is difficult, give oxygen. Use oxygen as required, provided a qualified operator is present.

Skin contact : Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing and shoes immediately. Wash contaminated clothing before re-use. Call a physician immediately.

Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately.

Ingestion : Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. If victim is fully conscious, give a cupful of water. Call a physician immediately.

Notes to physician

Most important symptoms/effects, acute and delayed : No information available.

Indication of immediate medical attention and special treatment needed, if necessary : Treat symptomatically.

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SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water spray
Foam
Carbon dioxide (CO₂)
Dry powder
- Specific hazards during firefighting : Product is not combustible under normal conditions.
In case of fire hazardous decomposition products may be produced such as:
Lead oxides
Carbon monoxide
Carbon dioxide (CO₂)
- Special protective equipment for firefighters : Wear self-contained breathing apparatus and protective suit.
- Further information : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Wear personal protective equipment.
Evacuate personnel to safe areas.
Ensure adequate ventilation.
Avoid dust formation.
Do not swallow.
Do not breathe dust.
Do not get in eyes, on skin, or on clothing.
- Environmental precautions : Prevent further leakage or spillage if safe to do so.
Should not be released into the environment.
Do not flush into surface water or sanitary sewer system.
Do not allow run-off from fire fighting to enter drains or water courses.
- Methods and materials for containment and cleaning up : Ventilate the area.
Avoid dust formation.
Contain spillage, pick up with an electrically protected vacuum cleaner or by wet-brushing and transfer to a container for disposal according to local regulations (see section 13).

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SECTION 7. HANDLING AND STORAGE**Handling**

Precautions for safe handling : Wear personal protective equipment.
Use only in well-ventilated areas.
Avoid dust formation.
Do not swallow.
Do not breathe dust.
Do not get in eyes, on skin, or on clothing.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Storage

Conditions for safe storage, including any incompatibilities : Keep containers tightly closed in a dry, cool and well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Protect from physical damage.
Store away from incompatible substances.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective measures : Ensure that eyewash stations and safety showers are close to the workstation location.
Avoid dust formation.

Engineering measures : Use with local exhaust ventilation.

Eye protection : Wear as appropriate:
Safety goggles
Safety glasses with side-shields

Hand protection : Protective gloves
Gloves must be inspected prior to use.
Replace when worn.

Skin and body protection : Wear suitable protective equipment.
Wear as appropriate:

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Protective suit

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
Use NIOSH approved respiratory protection.

Hygiene measures : When using, do not eat, drink or smoke.
Wash hands before breaks and at the end of workday.
Keep working clothes separately.
Remove and wash contaminated clothing before re-use.
Do not swallow.
Do not breathe dust.
Do not get in eyes, on skin, or on clothing.

Exposure Guidelines

Contains no substances with occupational exposure limit values.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : solid

Color : colourless

Odor : stinging

Odor threshold : Note: No data available

pH : Note: acidic

Melting point/range : 204 °C
Note: anhydrous substance

Melting point/range 75 °C

Flash point : Note: Not applicable

Evaporation rate : Note: No data available

Flammability : This product is not easily inflammable.

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Lower explosion limit : Note: Not applicable

Upper explosion limit : Note: Not applicable

Vapor density : Note: No data available

Density : ca. 2.550 g/cm³ at 20 °C

Water solubility : 443 g/l at 20 °C

Note: anhydrous substance

Ignition temperature : Note: No data available

Decomposition temperature : > 200 °C
Note: Decomposition temperature

Viscosity, dynamic : Note: No data available

Viscosity, kinematic : Note: No data available

Molecular weight : 379.33 g/mol

Bulk density : ca. 1,200 kg/m³**SECTION 10. STABILITY AND REACTIVITY**

Reactivity : Not classified as a reactivity hazard.

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Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: Hazardous polymerisation does not occur.
Conditions to avoid	: Avoid dust formation.
Incompatible materials	: Strong bases Strong oxidizing agents Strong acids
Hazardous decomposition products	: In case of fire hazardous decomposition products may be produced such as: Lead oxides Carbon monoxide Carbon dioxide (CO ₂)

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	: LD50: 5,610 mg/kg Species: Rat, female
	: LD50: 4,665 mg/kg Species: Rat, male
Acute inhalation toxicity	: Note: No data available
Acute dermal toxicity	: Note: No data available
Skin irritation	: Species: Rabbit Classification: non-irritant Method: OECD Test Guideline 404 Test substance: anhydrous substance
Eye irritation	: Species: rabbit eye Result: Irreversible effects on the eye Method: OECD Test Guideline 405

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Sensitisation : Note: No data available

Repeated dose toxicity : Note: No data available

Genotoxicity in vitro : Test Method: gene mutation test
Metabolic activation: with and without metabolic activation
Result: negative

Further information :

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity effects**

Toxicity to fish : Note: Classification based on Annex VI of regulation 1272/2008/EC.

Toxicity to daphnia and other aquatic invertebrates : Note: Classification based on Annex VI of regulation 1272/2008/EC.

Toxicity to algae : Note: Classification based on Annex VI of regulation 1272/2008/EC.

Elimination information (persistence and degradability)

Biodegradability : Note: No data available

Further information on ecology

Additional ecological information : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods : Observe all Federal, State, and Local Environmental regulations.

SECTION 14. TRANSPORT INFORMATION

DOT UN/ID No. : UN 1616
Proper shipping name : LEAD ACETATE
Class : 6.1
Packing group : III
Hazard Labels : 6.1

IATA UN/ID No. : UN 1616
Description of the goods : LEAD ACETATE
Class : 6.1
Packaging group : III
Hazard Labels : 6.1
Packing instruction (cargo aircraft) : 677
Packing instruction (passenger aircraft) : 670
Packing instruction (passenger aircraft) : Y645

IMDG UN/ID No. : UN 1616
Description of the goods : LEAD ACETATE
Class : 6.1
Packaging group : III
Hazard Labels : 6.1
EmS Number : F-A, S-A
Marine pollutant : yes

SECTION 15. REGULATORY INFORMATION**Inventories**

US. Toxic Substances : On TSCA Inventory
Control Act

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- Australia. Inventory of Industrial Chemicals (AIIC), as amended : On the inventory, or in compliance with the inventory
- Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL) : All components of this product are on the Canadian DSL
- Japan. Kashin-Hou Law List : On the inventory, or in compliance with the inventory
- Korea. Existing Chemicals Inventory (KECI) : On the inventory, or in compliance with the inventory
- Philippines. Inventory of Chemicals and Chemical Substances (PICCS) : On the inventory, or in compliance with the inventory
- China. Inventory of Existing Chemical Substances (IECSC) : On the inventory, or in compliance with the inventory
- New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand : On the inventory, or in compliance with the inventory
- Taiwan Chemical Substance Inventory (TCSI) : On the inventory, or in compliance with the inventory

National regulatory information

- SARA 302 Components** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
- SARA 313 Components** : The following components are subject to reporting levels established by SARA Title III, Section 313:
: Lead acetate trihydrate 6080-56-4
- SARA 311/312 Hazards** : Chronic Health Hazard
- CERCLA Reportable** : 10 lbs

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Quantity**California Prop. 65**

:



WARNING: This product can expose you to chemicals, listed below, known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

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Massachusetts RTK

:

Lead acetate trihydrate

6080-56-4

New Jersey RTK

:

Lead acetate trihydrate

6080-56-4

Pennsylvania RTK

:

Lead acetate trihydrate

6080-56-4

SECTION 16. OTHER INFORMATION

	HMIS III	NFPA
Health hazard	: 3*	3
Flammability	: 1	1
Physical Hazard	: 0	
Instability	:	0

* - Chronic health hazard

Hazard rating and rating systems (e.g. HMIS® III, NFPA): This information is intended solely for the use of individuals trained in the particular system.

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Final determination of suitability of any material is the sole responsibility of the user. This information should not constitute a guarantee for any specific product properties.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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Prepared by Honeywell Performance Materials and Technologies Product Stewardship Group