



SAFETY DATA SHEET

1. Identification of the substance/preparation and of the company/undertaking

Identification of the product

Catalogue No: P29711

ID No.: 1014200

Product name: **Lead(II) acetate, Normatom**

Manufacturer/supplier identification

Company: VWR International Ltd, Merck House, Poole, Dorset, BH15 1TD, England
Telephone : 01202 669700 Telefax : 01202 665599

Emergency telephone No.: 01202 669700

2. Composition/information on ingredients

Chemical characterization

Inorganic salt

Product name: Lead(II) acetate 3-hydrate

CAS number: 6080-56-4

EC-No.: 206-104-4

3. Hazards identification

May cause harm to the unborn child. Possible risk of impaired fertility. Also harmful: danger of serious damage to health by prolonged exposure if swallowed. Danger of cumulative effects. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. First aid measures

Eye contact: Irrigate thoroughly with water for at least 10 minutes. If discomfort persists obtain medical attention.

Inhalation: Remove from exposure, rest and keep warm. In severe cases obtain medical attention.

Skin contact: Wash off skin thoroughly with water. Remove contaminated clothing and wash before re-use. In severe cases, OBTAIN MEDICAL ATTENTION.

Ingestion: Wash out mouth thoroughly with water and give plenty of water to drink. OBTAIN MEDICAL ATTENTION.

5. Fire-fighting measures

Special risks:

May evolve toxic fumes in fire.

Suitable extinguishing media:

Water spray, foam or dry powder

Wear chemical protection suit and respiratory protective equipment immediately. Prevent fire fighting water entering watercourses or ground-water.

6. Accidental release measures

Wear appropriate protective clothing. Do not allow to enter sewerage system.

Mix with sand, transfer carefully to container and arrange removal by disposal company. Wash site of spillage thoroughly with water and detergent.

For large spillages liquids should be contained with sand or earth and both liquids and solids transferred to salvage containers. Any residues should be treated as for small spillages.

7. Handling and storage

Handling:

Under no circumstances eat, drink or smoke while handling this material. Wash hands and face thoroughly after working with material. Contaminated clothing should be removed and washed before re-use. Do not empty into drains, dispose of this material and its container in a safe way.

Storage:

Store at room temperature (15 to 25°C recommended). Keep well closed and protected from direct sunlight and moisture.

8. Exposure controls/personal protection

As appropriate to the situation and the quantity handled. Engineering methods to control or prevent exposure are preferred. Methods could include process enclosure or mechanical ventilation.

Respirator: Dust respirator
Ventilation: Extraction hood
Gloves: Rubber or plastic
Eye Protection: Goggles or face-shield
Other Precautions: Plastic apron, sleeves, boots - if handling large quantities

See section 15 for UK exposure limits.

9. Physical and chemical properties

Form: solid
Colour: colourless to white
Odour: weakly of acetic acid

Melting temperature 75°C
Boiling temperature (decomposition)
Density(g/ml) 2.57
pH value 6 (50g/l H₂O)
Solubility in water Very soluble

10. Stability and reactivity

releases water of crystallization when heated..

Substances to be avoided
strong acids (Formation of: acetic acid).

Hazardous decomposition products: acetic acid.

11. Toxicological information

The following applies to lead compounds in general: Due to the poor absorbability via the gastrointestinal tract, only very high doses lead to acute cases of intoxication. After a latency period of several hours, metallic taste, nausea, vomiting, and colics occur, in many instances followed by shock. Chronic uptake causes peripheral muscular weakness ("drop-wrist"), anaemia, and central-nervous disorders. The information available suggests that an embryotoxic potential must be considered probable. Women of child-bearing age should not be exposed to the substance over long periods of time (observe critical threshold).

Further data

Toxic for Reproduction, Category 1
Has been found to cause cancer in laboratory animals.

12. Ecological information

Marine and/or freshwater pollutant. The following applies to lead compounds in general: biological effects: toxic to aquatic organisms (calc. as free lead): fish: lethal from 1.4 mg/l up; *S. gairdnerii*: LC50: 0.14 mg/l/96h ; *L. idus* LC50: 546 mg/l; fish test LC50: 236 mg/l; bacteria: *Ps. putida* toxic from 1.8 mg/l up; algae: *Sc. quadricauda* toxic from 3.7 mg/l up; *M. aeruginosa* 0.45 mg/l; protozoa: *E. sulcatum* toxic from 0.02 mg/l up; *U. parduczi* toxic from 0.07 mg/l up; arthropods: *D. magna* LC50: 2.5 mg/l; hazard for drinking water.

Do not allow to enter drinking water supplies, waste water, or soil!

13. Disposal considerations

Chemical residues are generally classified as special waste, and as such are covered by regulations which vary according to location. Contact your local waste disposal authority for advice, or pass to a chemical disposal company. Rinse out empty containers thoroughly before returning for recycling.

14. Transport information

UN-No.: 1616

IMO: 6.1/1616

IATA: 1616

Correct technical name: LEAD ACETATE

ADR/RID: 6.1,62'(c)

IMDG class: 6.1

Packaging group: III

Packaging group: III

15. Regulatory information

Labelling according to EC directives

Symbol: T N Toxic. Dangerous for the environment.

R-phrases: R61-62-48/22C-33-50/53

May cause harm to the unborn child. Possible risk of impaired fertility. Also harmful: danger of serious damage to health by prolonged exposure if swallowed. Danger of cumulative effects. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases: S53A-45-60-61

Restricted to professional users. Attention - Avoid exposure - obtain special instructions before use. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). This material and its container must be disposed of as hazardous waste. Avoid release to the environment. Refer to special instructions/Safety data sheets.

EC-No.: 206-104-4

Toxic for Reproduction, Category 1

Local Regulations

U.K. Transport Category 3

Within the UK, the use of this material must be assessed under the Control of Substances Hazardous to Health (COSHH) regulations.

Regulated in the UK under the Control of Lead at Work Regulations 1998.

Under EU regulations, this product is labelled: "Restricted to professional users".

UK Exposure Limits: 8 hour TWA - Lead and lead compounds (not lead alkyls) (as Pb): 0.15 mg/m³

16. Other information

Revised.

Supersedes edition of: 14/06/95

Reason for alteration: Changes in Section : 15

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