



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : L 10129
Product Name : LEAD ACETATE L.R.

Manufacturer/supplier identification

Company : NICE Chemicals (P) Ltd., Cochin, India
Tel - 0484 2800212, 2802755

Contact for information : Tel. No.- 0484 2802536 Fax : 0484 2802483
Emergency Telephone No. : 0484 2801583 Telefax No. : 0484 2802483

2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS-No : 6080-56-4 Ec-Index No. : 082-005-00-8
Molar Mass : 379.34 EC-No. : 206-104-4

3. HAZARDS INDEX : May cause harm to the unborn child. Possible risk of impaired fertility. Danger of cumulative effects.
Also harmful: danger of serious damage to health by prolonged exposure if swallowed.

Restricted to professional users. Attention- Avoid exposure - obtain special instructions before use.

4. FIRST AID MEASURES : After inhalation : fresh air. Consult doctor if feeling unwell.
After skin contact : wash off with plenty of water.
Remove contaminated clothing.
After swallowing : make victim drink plenty of water.
immediately summon doctor. Gastric lavage.



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5. FIRE-FIGHTING MEASURES : Suitable extinguishing media : In adaption to materials stored in the immediate neighbourhood. Contain escaping vapours with water.

Special risks : Formation of hazardous combustion gases or vapours possible in the event of fire.

Danger of dust explosion.

The following may develop in event of fire : nitrous gases.

Other information : Non-combustible.

6. ACCIDENTAL RELEASE MEASURES

Procedures for cleaning/absorption : Take up dry. Forward for disposal.

Clean up affected area. Avoid generation of dusts.

7. HANDLING AND STORAGE : Handling - No further requirements.

Storage - Tightly closed. In a well-ventilated place.

Accessible only for authorized persons. At +15° C to +25° C.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Specific control parameters : Max. workplace conc.) Lead : 0.1 mg/m³

Respiratory protection : required when dusts are generated.

Eye Protection : required



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Hand Protection : required
Industrial hygiene : Change contaminated clothing.
Wash hands after working with substance.
Avoid generation of dusts.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: solid
Colour	: colourless to white
Odour	: weakly of acetic acid
pH value at 50 g/l H ₂ O (20° C)	: 5.5 - 6.5
Melting temperature	: 75° C
Boiling temperature	: Not available
Ignition temperature	: Not available
Flash Point	: Not available
Explosion limit lower	: Not available
upper	: Not available
Relative vapour density	: Not available
Density (20° C)	: 2.55 gm/cm ³
Bulk density	: Near 1200 Kg/m ³
Solubility in Water (20° C)	: 410 gm/lt.
Ethanol (20° C)	: 33 gm/lt.
Thermal decomposition	: 200° C

10. STABILITY AND REACTIVITY

Conditions to be avoided : No information available

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

Hazardous decomposition products : acetic acid
Further information : dust explosion possible: in finely distributed form, release water of crystallization when heated.



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11. TOXICOLOGICAL INFORMATION

Acute Toxicity : LD₅₀ (oral, rat) : 4665 mg/Kg :

Further 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. Women of child-bearing age should not be exposed to the substance over longer periods of time (observe critical threshold).

Further data :

Further hazardous properties cannot be excluded.

12. ECOLOGICAL INFORMATION : Ecotoxic effects :

Biological effects : Formation of health-hazardous mixture possible with water.

Evaluation number (FRG) (fish) : 3.1

Evaluation number (FRG) (bacteria) : 5.5

Evaluation number (FRG) (mammal) : 1.0

The following applies to lead compounds in general: biological effects : toxic for aquatic organisms (cal. as free lead): fish: lethal from 1.4 mg/Lt. up; *S. gairdnerii* LC₅₀ : 0.14 mg/Lt./96 h; *L. idus* LC₅₀: 546 mg/Lt. fish test LC₅₀ : 236 mg/Lt. bacteria : *Ps. putida* toxic from 1.8 mg/Lt. up; algae: *Sc. quadricauda* toxic from 3.7 mg/Lt. up; *M. aeruginosa* 0.45 mg/Lt.; protozoa: *E. sulcatum* toxic from 0.02 mg/Lt. up; *U. parduczi* toxic from 0.07 mg/Lt. up; arthropods : *D. magna* LC₅₀ : 2.5 mg/Lt; hazard for drinking water.
Further ecologic data : Do not allow to enter waters, waste water or soil !



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13. DISPOSAL METHOD : There are no uniform EC Regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated in the EC member countries through corresponding laws and regulations. We recommend that you contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste.

Disposal in compliance with official regulations. Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled.

14. TRANSPORT INFORMATION

Transport over land

ADR/RID and GGVS/GGVE : GGVS/GGVE class : 6.1 Number and letter : 62c

ADR/RID class : 6.1 Number and letter : 62c

Name of material : 1616 BLEIACETAT

Sea Transport IMDG : IMDG class : 6.1 UN No. : 1616 Packing group : III

Ems : 6.1 - 04 MFAG : 110

Correct Technical Name : LEAD ACETATE

Air Transport ICAO-TI

and IATA-DGR : ICAO/IATA class : 6.1 UN No. : 1616

Packaging group III

Correct Technical Name : LEAD ACETATE

15. REGULATORY INFORMATION

Labelling according to EC Directives

Symbol : T Toxic



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R-phrases : 61-62-33-48/22 May cause harm to the unborn child. Possible risk of impaired fertility. Danger of cumulative effects. Also harmful : danger of serious damage to health by prolonged exposure if swallowed.

S-phrases : 53-45 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).

EC-No. : 206-104-4 EC label

Water pollution class : 2 (polluting substance)

16. OTHER INFORMATION

Reason for alteration

Change in the chapter on first aid measures.

The information contained herein is based on the present state of our knowledge.

It characterises the product with regard to the appropriate safety precautions.

It does not represent a guarantee of the properties of the product.
