



SAFETY DATA SHEET

LEAD ACETATE

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME: LEAD ACETATE
CHEMICAL NAME 2: LEAD(II) ACETATE 3-HYDRATE
PART No.: RM141
SYNONYMS, TRADE NAMES: LEAD ACETATE TRIHYDRATE
SUPPLIER: J M Loveridge plc
Southbrook Road, Southampton
Hampshire
SO15 1BH
Tel: 023 8022 2008
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2. COMPOSITION/INFORMATION ON INGREDIENTS

EEC (EINECS) No. 206-104-4
CAS No.: 6080-56-4

3. HAZARDS IDENTIFICATION

May cause harm to the unborn child. Possible risk of impaired fertility. 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.
Toxic to Reproductive Health Category 1. Toxic to Reproductive Health Category 3.

4. FIRST AID MEASURES

GENERAL: IN ALL CASES OF DOUBT OR WHEN SYMPTOMS PERSIST, ALWAYS SEEK MEDICAL ATTENTION

INHALATION: Move affected person from exposure. If recovery not rapid or complete seek medical attention.

INGESTION: DO NOT INDUCE VOMITING. In case of spontaneous vomiting, be sure that vomit can freely drain because of danger of suffocation. Only when conscious, rinse mouth with plenty of water and give plenty of water to drink - (approx 500ml). Keep patient at rest and obtain medical attention.

SKIN: Remove contaminated clothing. Wash affected area with plenty of soap and water. If irritation persists, seek medical attention. Launder clothing before re-use.

EYES: Rinse immediately with plenty of water for at least 5 minutes while lifting the eye lids.

Seek medical attention. Continue to rinse.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:	Non combustible or flammable and normally not a fire risk. Use extinguishing media suitable against surrounding fire or the cause of fire.
SPECIAL FIRE FIGHTING PROCEDURES:	Take measures to retain water used for extinguishing. Do not release contaminated water into drains, soil and surface water. Dispose of contaminated water and soil according to local regulations.
HAZARDOUS COMBUSTION PRODUCTS:	Toxic or corrosive vapours may be released in fire situation. - toxic fumes of Pb (oxides), acetic acid vapour.
PROTECTIVE MEASURES IN FIRE:	Fire fighters should wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTION IN SPILL:	Avoid direct contact with skin, eyes and clothing. Wear appropriate protective clothing.
PRECAUTIONS TO PROTECT ENVIRONMENT:	Prevent material from entering drains or water courses. Advise the Environment Agency or relevant local authority if contamination of soil or water systems occurs.
SPILL CLEANUP METHODS:	Cover spillage with damp inert material, take-up or collect and place into a suitable closable labelled container for disposal. Wash the area clean with water and detergent, observing environmental requirements.

7. HANDLING AND STORAGE

USAGE PRECAUTIONS:	HANDLING - Product should be used in accordance with good industrial principles for handling and storing of hazardous chemicals. Do not eat, drink or smoke while handling this material. Wash hands and face thoroughly after working with material. Contaminated clothing should be removed and laundered before re-use.
STORAGE PRECAUTIONS:	Store in a cool, dry, well ventilated place, in securely closed original container.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

INGREDIENT NAME:	CAS No.:	STD	LT EXP 8 Hrs	ST EXP 15 Min
LEAD ACETATE	6080-56-4	MEL	0.15 mg/m3	

INGREDIENT COMMENTS:	Refer to the current edition of HSE Guidance Note EH 40/200* for occupational exposure limits; - listed in Supplementary Information; exposure is subject to MEL. The occupational exposure limits for lead are set out in the Control of Lead at Work Regulations 1998 (CLAW)
VENTILATION:	Use engineering controls to reduce vapour/dust emissions below MEL!
PROTECTIVE GLOVES:	Use protective gloves.
EYE PROTECTION:	Wear approved safety goggles.
OTHER PROTECTION:	Wear protective clothing and closed footwear. Wear personal protective equipment appropriate to the quantity of material handled.
HYGIENIC WORK PRACTICES:	SKIN PROTECTION - apply barrier cream to hands and exposed skin. Regularly vacuum dust to minimise the potential of air-borne exposure.

Decontaminate personal protective equipment after use, otherwise dispose of as contaminated waste.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Colourless to white fine crystals.		
ODOUR/TASTE:	Mild acetic acid (vinegar) odour.		
MELT/FREEZ. POINT (°C, interval):	mp. 75°C		
DENSITY/SPECIFIC GRAVITY (g/ml):	2.57	Temperature (°C):	
pH-VALUE, DILUTED SOLUTION:	6	Concentration % M:	(50 g/l aqueous solution)
SOLUBILITY DESCRIPTION:	Very soluble in water.		

10. STABILITY AND REACTIVITY

STABILITY:	Stable under normal conditions of use.
CONDITIONS TO AVOID:	Avoid excessive heat.
MATERIALS TO AVOID:	Strong acids.
HAZARDOUS DECOMP. PRODUCTS:	Thermal decomposition may release noxious, toxic or corrosive gases or vapours. - acetic acid, lead (oxide) fumes.

11. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:	The following information applies to lead compounds in general. - Lead bearing compounds are cumulative poisons. Continued absorption by way of inhalation or ingestion may cause damage to health. Chronic uptake causes peripheral muscular weakness, pallor, anaemia and central nervous disorders. Due to poor absorption via the gastro-intestinal tract, only high doses will lead to acute intoxication.
OTHER HEALTH EFFECTS:	Has been found to cause cancer in laboratory animals. Toxic for Reproduction, Category 1
MEDICAL SYMPTOMS:	Symptoms may not appear until several hours after exposure. Symptoms may include blue line on gums, metallic taste, nausea, vomiting, colic, confusion followed by shock.
MEDICAL CONSIDERATIONS:	Women of child-bearing age should not be exposed to the substance over long periods of time. Medical surveillance should be considered where exposure to Lead compounds is significant. Information available suggests that embryo-toxic potential must be considered.

12. ECOLOGICAL INFORMATION

LC50 fish 1.4 mg/l (Salmo gairdnerii)

LC50 Daphnia 2.5 mg/l (D. magna)

ECOLOGICAL INFORMATION:	Toxic to fish.
MOBILITY:	Soluble in water. Material can potentially percolate into soil. Will dissolve in wet conditions leaving trace amount of lead ions in surrounding soil.
ACUTE FISH TOXICITY:	Marine and/or fresh water pollutant.
WATER HAZARD CLASSIFICATION:	Hazard to drinking water supply.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS:	This material and/or its container must be disposed of as hazardous waste according to Special Waste Regulations 1996 or according to local regulations, in compliance with Duty of Care Regulations and Special Waste Regulations.
WASTE CLASS:	WASTE CODE: 0705** HAZARDOUS PROPERTY: H6, H7, H14.

14. TRANSPORT INFORMATION

LABEL FOR CONVEYANCE:

UN No. ROAD:	1616
ADR CLASS No.:	6.1
ADR CLASS:	Division 6.1: Toxic substances.
ADR PACK GR.	III
HAZARD No. (ADR):	60 Toxic or slightly toxic substance.
ADR LABEL No.:	6.1
HAZCHEM CODE:	2Z
PROPER SHIPPING NAME I:	LEAD ACETATE
UN No. SEA:	UN 1616
IMDG CLASS:	6.1
IMDG PAGE No.:	6169
IMDG PACK GR.:	III
MARINE POLLUTANT:	Yes.
UN No., AIR:	UN-ID 1616
ICAO CLASS:	6.1
AIR PACK GR.:	III

15. REGULATORY INFORMATION

LABEL FOR SUPPLY:



RISK PHRASES:

R-61 May cause harm to the unborn child.
R-62 Possible risk of impaired fertility.
R-33 Danger of cumulative effects.
R-48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.
R-50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SAFETY PHRASES:

P-11 Restricted to professional users.
S-53 Avoid exposure - obtain special instructions before use.
S-45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S-60 This material and its container must be disposed of as hazardous waste.
S-61 Avoid release to the environment. Refer to special instructions/ Safety Data Sheets.

16. OTHER INFORMATION

INFORMATION SOURCES: This product has been classified in accordance with CHIP3 regulations.(CHIP 2002)
REVISION COMMENTS: Edition 02a; Revised item(s): Sect.3 also Sect.8 - reference to CLAW introduced
ISSUED BY: MK
SDS No.: 261
DATE: 17/11/03

DISCLAIMER: The foregoing data has been compiled for safety information only and does not form part of any selling specification. Information contained in this Data Sheet is to the best of JMLs knowledge correct at the time of publication. Customers should always satisfy themselves, that the product which they have selected is entirely suitable for their purpose under their conditions of use and in compliance with current regulations. For any further information, please contact the supplier.