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SAFETY DATA SHEET

SECTION 01 - PRODUCT AND COMPANY IDENTIFICATION

Product Identifier LEAD(II) ACETATE TRIHYDRATE		Product Use Laboratory use	
Chemical formula (CH ₃ CO ₂) ₂ Pb.3H ₂ O		Product code PR-0239	Molar weight 379,33
Chemical name / Commercial name / Synonyms LEAD (II) ACETATE TRIHYDRATE, LEAD DIACETATE TRIHYDRATE, PLUMBOUS ACETATE, ACETIC ACID LEAD (2+) SALT TRIHYDRATE, SALT OF SATURN, LEAD SUGAR, DIACETYLOXYLEAD TRIHYDRATE			
Supplier's name Laboratoire MAT		Address-Street 610, Adanac Street	
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Emergency phone	CANUTEC: 613-996-6666	CENTRE ANTI-POISON DU QUÉBEC 800-463-5060	
Date SDS 9/10/2019	SDS Prepared by Laboratoire MAT	E-Mail labmat@labmat.com	

SECTION 02 - HAZARDS IDENTIFICATION

Classification WHIMS / GHS	Reproductive toxicity category 1A Specific Target Organ Toxicity - Repeated exposure category 2 Carcinogenicity category 1B
Signal Word	DANGER
Hazards statements (H)	H360 May damage fertility or the unborn child. H373 May cause damage to organs through prolonged or repeated exposure. H350 May cause cancer.
Precautionary statements (P)	P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P280 Wear protective gloves/protective clothing/eye protection/face protection. P308 + P313 IF exposed or concerned: Get medical advice/attention. P405 Store locked up. P501 Dispose of contents/container in accordance with local / regional / national / international regulations or contact a specialist waste disposal company. P260 Do not breathe dust / fume / gas / mist / vapours / spray. P314 Get medical advice/attention if you feel unwell.
PICTOGRAMS	
Other dangers	NFPA (Risk: 0=No risk; 1=Slight; 2=Moderate; 3=Significant; 4=Extreme)
	Health 3 Fire 0 Reactivity 0 Special danger

SECTION 03 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingrédients (Dénomination chimique / synonymes)	Numéro CAS et tout identificateur unique	Concentration (%)
Acétate de plomb (II) trihydrate	6080-56-4	<=100

SECTION 04 - FIRST AID MEASURES

Eye contact	Wash eyes with large amounts of water for at least 15 minutes while holding eyelids apart to rinse eyes. If irritation persists, seek medical attention.
Skin contact	Wash skin with plenty of water for at least 15 minutes. Remove soiled clothing. If irritation persists, seek medical attention.
Inhalation	Move the unwell person to the fresh air. If breathing is difficult, give oxygen. Consult a physician.
Ingestion	If the person is conscious, give water to drink. Never give anything by mouth to an unconscious person. Consult a physician.
Most important symptoms and effects (acute and delayed)	Ref. section 11.
Immediate medical attention and special treatment, if necessary	In case of medical consultation, keep this sheet available.
General advice	Show this safety data sheet to the doctor in attendance.

SECTION 05 - FIREFIGHTING MEASURES

Flammability	No
Ignition conditions	Not flammable or combustible.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	Data not available.
Hazardous combustion / decomposition products	Hazardous decomposition products formed under fire conditions. Carbon oxides. - Lead oxides.
Special fire and explosion hazards	May react violently with incompatible products (Ref Section 10).
Special protective equipment and precautions for firefighters	Discard incompatible substances if this can be done without risk. Firefighters should be equipped with standard protective equipment, fireproof clothing, face mask, gloves, protective boots and, where appropriate, self-contained breathing apparatus.

SECTION 06 - ACCIDENTAL RELEASE MEASURES

Methods and materials for containment and cleaning up / Personnel precautions, protective equipment	Evacuate personnel to safe areas. Ensure adequate ventilation. Avoid breathing dust. Use personal protective equipment. Pick up with a shovel or broom, taking care not to scatter dust. Dispose of residues in a container provided for the disposal of hazardous materials. Do not let product enter drains. Discharge into the environment must be avoided.
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SECTION 07 - HANDLING AND STORAGE

Conditions for safe storage	Keep container tightly closed in a dry and well-ventilated place. Store in cool place. Air and light sensitive. Store under inert gas.
Methods of handling	Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Avoid contact with the skin, eyes and clothes. Avoid ingestion and inhalation. Wear personal protective equipment when handling. Always ensure good ventilation. Transport according to TDG (ref Section 14)

SECTION 08 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace control parameters

Components	No.-CAS	Control parameters	Value	Basis
LEAD ACETATE (II) TRIHYDRATE	6080-56-4	TWA	0.05 mg/m ³	Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
Remarks				
		VEMP	0.05 mg/m ³	Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants
Comes into force on January 4, 2008 Lead [7439-92-1] and its inorganic compounds (expressed in Pb) provided for in PART 1 of ANNEX I, to the extent that it applies to second-melting lead. For the purposes of this section, "lead plumbing" means of second fusion_ "means any establishment intended to treat a material containing lead, other lead concentrate from a mine, by a metallurgical or chemical process to produce refined lead, lead oxide or lead alloy. A carcinogenic effect demonstrated in animals. For these substances, the results of the studies carcinogenicity in animals are not necessarily transposable to humans				
		TWA	0.05 mg/m ³	Canada. British Columbia OEL
IARC "2A" applies to substances deemed probably carcinogenic to humans on the basis of limited evidence of carcinogenicity in humans. Adverse reproductive effect.				
		LMPT	0.05 mg/m ³	Canada. Ontario OELs
Skin Skinnotation only applies to organic compounds Indicates a chemical agent listed in Table 1 of Ontario Regulation 490/09 (Designated Substances) made under the Act. See paragraph 2 (2) (a) of this Regulation.				

Data source	Sigma-Aldrich.
Ventilation	Fan.
Respiratory	If the permissible levels are exceeded, use a mechanical filter / cartridge against NIOSH vapors or a respirator with air supply.
Gloves	Handle with gloves.
Eyes	Safety goggles with safety shutters.
Shoes	Use safety shoes.
Clothing	Labcoat. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Engineering control	Have safety showers and eyewash stations in the workplace in case of an emergency and a ventilation system to maintain the level of concentrations in the air below the exposure limit values.

SECTION 09 - PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Solid.
Appearance	cristaux blanc.
Odour	légère odeur de vinaigre.
Odour threshold	Data not available
pH	pH d'une solution aqueuse à 5% (25°C)= 5.5-6.5.
Melting point / Freezing point	75°C
Initial boiling point	Data not available
Boiling range	Data not available
Flash point	Data not available
Evaporation rate	Data not available
Flammability	No
Lower flammable / Explosive limit	Data not available
Upper flammable / Explosive limit	Data not available
Vapour pressure	Data not available
Vapour density	Data not available
Relative density	2.55g/cm ³
Solubility	Soluble dans l'eau, l'alcool et la glycérine.
Partition coefficient water/n-octanol	Data not available
Auto-ignition temperature	Data not available
Decomposition temperature	> 100°C
Viscosity	Data not available

SECTION 10 - STABILITY AND REACTIVITY

Reactivity	Non-reactive under normal conditions.
Chemical stability	Stable under recommended storage conditions. Air sensitive.
Possibility of hazardous reactions	Stable under normal conditions.
Conditions of instability (Including sensitivity to shock / static discharge / vibration)	Avoid dust formation. Avoid exposure to air. Avoid excessive heat.
Incompatible material	Strong oxidizing agents, Strong acids. Strong bases. Light (breaks down), air (absorbs carbon dioxide).
Hazardous decomposition products	Hazardous decomposition products formed under fire conditions. Carbon oxides. - Lead oxides.

SECTION 11 - TOXICOLOGICAL INFORMATION

LEAD(II) ACETATE TRIHYDRATE

Routes of exposure	Ingestion, inhalation, skin and eyes.
Acute exposition effects / symptoms:	By exposure route below.
- Eyes	Irritation.
- Skin	May be harmful if absorbed through the skin. Provoke a skin irritation.
- Inhalation	Inhalation of dust may cause tightness and chest pain, breathing problems and coughing. May be harmful if inhaled.
Acute toxicity (Ingestion)	Gastrointestinal irritation, dizziness, headache, nausea and vomiting. May be harmful if swallowed.
Chronic exposure effects / symptoms	Is recognized as probably carcinogenic agent for humans (class 2A IARC) - Group 2A. Lead salts are reported to cross the placenta and cause death of the embryo and fetus. These salts have also teratogenic effects on certain animal species. No teratogenic effects are reported following exposure to organometallic compounds of lead. But the harmful effects of lead on human reproduction, the development of the embryo and fetus and postnatal development (mental, for example) have been reported. all Excessive exposure may have an effect on the blood and the nervous and digestive system. Anemia that develops comes from an inhibition in the synthesis of hemoglobin. Without treatment, there may be a risk of neuromuscular dysfunction, accompanied by possible paralysis and encephalopathy. Other symptoms overexposure include: pain in the muscles and joints, weakness of the extensor muscles (very often hand and wrist), headache, dizziness, abdominal pain, diarrhea, constipation, nausea, vomiting, bluish gum line, insomnia and metallic taste in the mouth. A high rate of this product in the body causes increased cerebrospinal pressure, brain damage and stupor turning into coma and often resulting in death, May cause convulsions. Can modify the genetic material. May cause disorders of the reproductive system.
LD50 (specify species and route of entry)	LD50 Oral - Rat - 4665 mg/kg LD50 Dermal - Data not available.
CL50 (specify species and route of entry)	LC50 - Inhalation - Data not available.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity	Data not available.
Persistence and degradability	May persist based on information provided.
Bioaccumulative potential	Data not available.
Mobility in soil	Probable mobility due to its solubility in water.
Other adverse effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal Method	Dispose of contents / container in accordance with local / regional / national / international regulations / or contact a specialist waste disposal company.
Contaminated Packaging	Dispose of as unused product.

SECTION 14 - TRANSPORT INFORMATION

UN Number	1616
UN Proper shipping name	ACÉTATE DE PLOMB
Transport hazard class(es)	6.1 Toxic substances
Packing group	III
Limited quantity index	5kg
ERAP Index	
Special precautions	

SECTION 15 - REGULATORY INFORMATION

WHIMS CANADA	Reproductive toxicity category 1A Specific Target Organ Toxicity - Repeated exposure category 2 Carcinogenicity category 1B
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SECTION 16 - OTHER INFORMATION

Further information

The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. It does not represent any guarantee of the properties of the product. Laboratoire MAT Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.

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