



# MATERIAL SAFETY DATA SHEET

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MSDS No. 9805303  
Effective Date: November 18, 2002

## SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	Lead (II) Nitrate, 1.0M Solution	<b>416-984-3000</b>  <b>NFPA</b>	Health	2
Chemical Synonyms	Lead Nitrate, Water Solution		Flammability	0
Formula	Mixture.	<b>HAZARD RATING</b> LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4	Reactivity	1
CAS No.	Mixture.		WHMIS	

## SECTION II DANGEROUS INGREDIENTS

Name	%	TLV Units
Lead nitrate: CAS # 10099-74-8	33.1%	N/A
Water: CAS # 7732-18-5	66.9%	N/A
<b>WARNING!</b>		

## SECTION III PHYSICAL DATA

Melting Point (°C)	Freezes @ ~ 0°C	Specific Gravity (H <sub>2</sub> O = 1)	~ 1.0
Boiling Point (°C)	~ 100°C	Percent Volatile by Volume (%)	66.9%
Vapor Pressure (mm Hg)	14 (water)	Evaporation Rate (Water = 1)	< 1
Vapor Density (Air=1)	0.7 (water)		
Solubility in Water	Complete.		
Appearance & Odor	Clear liquid; no odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash point	Non-flammable.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
Firefighting Procedures	Use dry chemical, CO <sub>2</sub> , alcohol foam, or water spray. In fire conditions, fire-fighters should wear an appropriate mask or a self-containing breathing apparatus.				

### Flammability and Explosion Hazards

In fire conditions, water may evaporate from this solution which may cause hazardous decomposition products to be formed as dust or fume.

**TDG** Not controlled under TDG.

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. For laboratory use only. Not for drug, food or household use. Keep out of reach of children. Printed on recycled paper.

## SECTION V REACTIVITY DATA

LL0132

Chemical Stability	Yes	X	If no. under what conditions?
	No		
Incompatible with Other products	Yes	X	Ammonium thiocyanate, powdered carbon, lead hypophosphite.
	No		
Hazardous Decomposition Products	Nitrogen oxides, lead fumes.		
Reactive under what conditions	No specific information is available.		

## SECTION VI TOXICOLOGICAL PROPERTIES

Route of Entry	Ingestion. Inhalation.
TLV	N/A
Toxicity for animals	N/A
Chronic effects on humans	Repeated or prolonged exposure to the substance can produce target organ damage. Target organs: Blood, central nervous system.
Acute effects on humans	May be harmful if swallowed. May cause eye irritation, skin irritation.

## SECTION VII PREVENTIVE MEASURES

Waste Disposal	Discharge, treatment, or disposal may be subject to local laws. Consult your local or regional authorities.
Storage	Keep in a cool, well ventilated place. Keep container tightly closed. Keep away from incompatible materials.
Precautions	Avoid contact with skin and eyes. Do not inhale vapor or spray. DO NOT ingest. If ingested, seek medical advice immediately.
Spill or leak	Dilute with water and mop up, or absorb with an inert DRY material and place in an appropriate waste disposal container.
Protective Clothing	Splash goggles, lab coat, vapor respirator, gloves.

## SECTION VIII FIRST AID MEASURES

Specific first aid measures	Ingestion: Call physician or Poison Control Center immediately. Induce vomiting only if advised by the appropriate medical personnel. Eye contact: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek medical attention. Skin contact: Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Inhalation: Move victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Allow victim to rest in a well ventilated area. Seek immediate medical attention.
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## SECTION IX PREPARATION OF THE MSDS

Rev. No.	3	Date	November 18, 2002	Approved	Michael Raszeja
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