MATERIAL SAFETY DATA SHEET

T & S Educational/Kemtec Science

(513) 860-4949 ART FORGER

MSDS No.: Effective Date:

LL0133

January 12, 2007

SECTION V

Threshold Limited Value

Effects of Overexposure

SECTIO	NAME	24 HOUR EMERGENCY ASSISTANC
Product	Lead Nitrate, 0.1 Molar Solution	CHEMTREC Health 2
Chemical Synonyms	Lead Nitrate, Water Solution	800-424-9300 Health 2 Day 585-226-6177 Fire 0
Formula	Mixture.	NFPA Reactivity 1
Unit Size	up to 3.785 Lt.	HAZARD RATING HAZARD RATING MINIMAL SLIGHT MODERATE SERIOUS SEVERE
C.A.S. No.	Mixture.	MINIMAL SLIGHT MODERATE SERIOUS SEVERE 0 1 2 3 4
SECTIO	N II INGREDIENTS C	OF MIXTURES

SECTION II INGREDIENTS OF MIXTUR	ES	
Principal Component(s)	%	TLV Units
Lead nitrate: (CAS No. 10099-74-8)	3.31%	See Section V.
Water: (CAS No. 7732-18-5)	96.69%	None established.
WARNING!		

MAY BE HARMFUL IF SWALLOWED. MAY CAUSE SKIN AND EYE IRRITATION.

SECTION III	PHYSICAL DATA		
Melting Point (°F)	Freezes approx. 0°C (32°F)	Specific Gravity (H ₂ O = 1)	Approx. 1.0
Boiling Point (°F)	Approx. 100°C (212°F)	Percent Volatile by Volume (%)	96.69%
Vapor Pressure (mm Hg)	14 (water)	Evaporation Rate (Water =1)	Slightly less than 1.
Vapor Density (Air=1)	0.7 (water)		
Solubility in Water	Complete.		
Appearance & Odor	Clear, water white liquid; no od	or.	

SECTION	IV FIRE AND	EXPLOSION HAZAR	D DATA	
Flash Point	ALCOHOLOGIC AS COMMANDO DE	Flammable Limits in Air	Lower	Upper
(Method Used)	Non-flammable.	% by Volume N/A		
Extinguisher Media	Use any media suitable fo	r extinguishing supporting fire.		

SPECIAL FIREFIGHTING **PROCEDURES**

If involved in fire situation, wear a NIOSH/MSHA-approved self-contained breathing apparatus. Use flooding amounts of water in early stages of fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS

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

D.O.T.	NON-REGULATED.
Approved by	U.S. Department of Labor "essentially similar" to form OSHA-20

First Aid Procedures anything by mouth to an unconscious person. EYES: Check for and remove contact lenses. Flus with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical personnel. New Mill water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. difficult, give oxygen. Get medical attention. SECTION VI Stability Unstable Stable X Conditions to Avoid Hazardous Decomposition Products Hazardous Polymerization May Occur Will Not Occur May Occur Will Not Occur X SECTION VI SPILL OR LEAK PROCEDURES Absorb spill in an inert dry material, sweep up an suitable container for proper disposal. Wash spill soap and water. Waste Disposal Method Discharge, treatment, or disposal may be subject to Federal, State or Loca These disposal agency.	ver give sh thoroughly dical attention. Durs, get life breathing is use evaporation oxides of lead diplace in a
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SECTION VIII SPECIAL PROTECTION INFORMATION	antities only. ensed
Respiration Protection (Specify Type) None needed in normal laboratory handling. If misty conditions prevail, we ventilation hood or wear a NIOSH/MSHA-approved respirator.	ork in
Ventilation Local Exhaust Not required. Special No.	
Mechanical (General) Not required. Other No.	
	afety goggles.
Other Protective Equipment Lab coat, apron, eye wash station, proper gloves.	
SECTION IX SPECIAL PRECAUTIONS	and the Section is
Precautions to be Taken in Handling & Storing Keep container tightly closed when not in use. Store in a cool place. Wash thoroughly after handling.	
Other Precautions Read label on container before using. Do not wear contact lenses when working with chemicals. For laboratory use only. Not for drug, food or household use. Keep out of reach of children. Do not take internally. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing.	
WARNING: THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO	

HEALTH HAZARD DATA

None established for Lead Nitrate. (ACGIH 2001). TWA for

Lead [CAS No. 7439-92-1], inorganic dust and fumes, as Pb 0.05 mg/m³

Suspect cancer hazard. All lead compounds may cause cancer. Lead is a

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