

MATERIAL SAFETY DATA SHEET

Sargent - Welch Scientific Company
7300 N. Linder Avenue
Skokie, Illinois 60077

This form meets and exceeds the
OSHA Hazard Communication
Standard 29 CFR 1910.1200,
Form OMB No. 1218-0072

Section I

Chemical Name	Catalog Number	CAS Number/DOT Classification
Lead Nitrate	SC13105	CAS 10099-74-8 DOT: Oxidizer UN 1469
Synonyms		
Formula		Telephone Numbers:
Pb(NO ₃) ₂		General Information
Date Issued		Sargent - Welch 312-677-0600
6/2/87		Emergency 24 Hour
		CHEMTREC 800-424-9300

Section II - Hazardous Ingredients / Identity Information

Hazardous Components	Exposure Limits In Air		Other Limits Recommended	% (Optional)
	OSHA PEL	ACGIH TLV		
Lead Nitrate	0.02mg/M3	TWA 0.10 mg/M3		

Section III - Physical / Chemical Characteristics

Boiling Point	NA	Specific Gravity (H ₂ O = 1)	4.53
Vapor Pressure (mm Hg.)	NA	Melting Point	
Vapor Density (Air = 1)	NA	Decomposes	470°C
Solubility in Water	NA	Evaporation Rate (Butyl Acetate = 1)	NA
Soluble			
Appearance and Odor			
Clear, white odorless crystals			

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
None		NA	NA
Extinguishing Media			
Flooding amounts of water			
Special Fire Fighting Procedures			
Wear self-contained breathing apparatus. Increases the flammability of any combustible substance.			

Unusual Fire and Explosion Hazards In contact with easily oxidizable substances, it may react rapidly enough to cause ignition, violent combustion, explosion.

Section V - Reactivity Data

Stability	Unstable	Conditions To Avoid
	Stable	Heat, shock, dusting, contact with other materials
Incompatibility (Materials To Avoid)		
Rad Hypophosphite, ammonium thiocyanate, reducing agents, combustibles		

Hazardous Decomposition By-products

NO _x		
Hazardous Polymerization	May Occur	Conditions To Avoid
	Will Not Occur	None

Section VI - Health Hazard Data

Route(s) of Entry: Inhalation? Skin? Ingestion?

Yes No Yes

Health Hazards (Acute and Chronic) RECOGNIZED CARCINOGEN: POISON: Possibly fatal if ingested or inhaled. Possible teratogenic effects on preborn offspring. Lead is an accumulative poison. Inhalation effects of exposure to fumes or dust of inorganic lead may not develop quickly.

SUSPECTED CANCER AGENT	<input checked="" type="checkbox"/>	YES:	NTP? <input checked="" type="checkbox"/>	IARC Monographs? <input checked="" type="checkbox"/>	OSHA Regulated?
NO: This product's ingredients are not found in the lists above.					

Symptoms of Over Exposure Symptoms include: dizziness, insomnia, mental impairment, appetite and weight loss, constipation, anemia, abdominal pains, gingival lead line, vomiting, convulsions, and headaches.

Medical Conditions

Aggravated By Exposure None known

FIRST AID and EMERGENCY PROCEDURES

Eye Contact: Flush with water for 15 minutes. Seek medical attention.

Skin Contact: Wash with soap and water. Seek medical attention for persistent dermatitis.

Inhalation: Seek immediate medical attention. Remove to fresh air.

Ingestion: Seek immediate medical attention.

Section VII - Precautions For Safe Handling And Use

Steps To Be Taken In Case Material Is Released Or Spilled

Immediately sweep up and containerize. Avoid creating dust. Wear protective clothing.

Waste Disposal Method

In accordance with all federal, state and local regulations.

Precautions To Be Taken In Handling And Storing Store in closed container in a cool dry area away from incompatible, combustible, organic, or other readily oxidizable materials. Avoid creating dust. Protect from physical damage. Do not chew gum or carry tobacco into the area.

Section VIII - Control Measures

Respiratory Protection (Specify Type)

Wear cartridge respirator or self-contained breathing apparatus.

Ventilation	Local Exhaust Yes	Special Fill under hood
	Mechanical (General)	Other

Protective Gloves Rubber gloves	Eye Protection goggles
------------------------------------	---------------------------

Other Protective Clothing or Equipment
Wear long sleeves.

Work / Hygienic Practices

Wash thoroughly after each use. Wash gloves before removing. Clean area after use.