

MATERIAL SAFETY DATA SHEET

Lead Standard 1,000 ppm w/w

SECTION 1 . Product and Company Identification

Product Name and Synonym: Lead Standard 1,000 ppm w/w

Product Code: 5250

Material Uses:

Manufacturer: Science Stuff
1104 Newport Ave
Austin, TX 78753
(512) 837-6020

Entry Date : 6/10/2013

Print Date: 6/10/2013

24 Hour Emergency Assistance : Chemtrec 800-424-9300
Canutec 613-996-6666

Health:	3
Flammability:	0
Reactivity:	0

Hazard Rating:
Least Slight Moderate High Extreme
0 1 2 3 4

NA=Not Applicable NE=Not Established

SECTION 2 HAZARD IDENTIFICATION

May cause irritation and burns. May be harmful if swallowed. Avoid breathing vapor or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input type="checkbox"/>	Lead Nitrate	CAS# 10099-74-8	<1%	W/W	OSHA PEL 0.05 mg(Pb)/m ³
<input checked="" type="checkbox"/>	Nitric Acid	CAS# 7697-37-2	3.0 - 3.5%	W/W	OSHA TWA 2 ppm (5mg/m ³), STEL 4 ppm (10mg/m ³)
<input type="checkbox"/>	Water, Deionized ASTM Type II	CAS# 7732-18-5	Balance	V/V	None Established

SECTION 4 FIRST AID MEASURES

May cause irritation and burns. May be harmful if swallowed. Avoid breathing vapor or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

FIRST AID: SKIN: Remove contaminated clothing. Wash exposed area with soap and water. If irritation persists, seek medical attention.

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

INGESTION: Give several glasses of milk or water. Vomiting may occur spontaneously, but DO NOT INDUCE! Never give anything by mouth to an unconscious person.

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SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Any means suitable for extinguishing surrounding fire

Fire / Explosion Hazards: Thermal decomposition produces highly toxic fumes.

Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Absorb spill with inert material, then place in a chemical waste container. Neutralize with a weak base.

SECTION 7 HANDLING AND STORAGE

Store in a cool, dry, well-ventilated place away from incompatible materials. Wash thoroughly after handling. Avoid contact with eyes, skin and clothing. Store between 15 - 25° C. To be used only by persons trained in handling hazardous materials.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: Handle under fume hood or with adequate ventilation

Ventilation

Local Exhaust

Mechanical

Protective Gloves: NIOSH Approved Gloves to prevent skin exposure.

Eye Protection: Splash Goggles

Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Melting Point:	-0°C	Percent Volatile by Volume:	>98
Boiling Point:	-83°C (181°F)	Evaporation Rate	Information not available
Vapor Pressure:	18.51 mm Hg	Evaporation Standard	Butylacetate =1
Vapor Density:	0.62 g/L	Auto Ignition Temp	Information not available
Solubility in Water:	Soluble	Lower Flamm. Limit in Air	Information not available
Appearance /Odors:	Clear odorless liquid	Upper Flamm. Limit in Air	Information not available
Flash Point:	Noncombustible		
Specific Gravity:	~1.02		

SECTION 10 STABILITY AND REACTIVITY INFORMATION

Stability: Stable

Conditions to Avoid: Extreme Heat

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Materials to Avoid: Oxidizers, reducing agents; Meetals
Hazardous Decomposition Products: Nitrogen oxides and lead compounds
Hazardous polymerization: Will Not Occur
Conditions to Avoid: None known

SECTION 11 Toxicological Information

SECTION 12 Ecological Information

SECTION 13 Disposal Considerations

SECTION 14 Transport Information

DOT Classification: UN3264, Corrosive Liquids, Acidic, Inorganic, n.o.s. (contains Nitric Acid), 8, PG III

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

SECTION 15 Regulatory Information

SECTION 16 Additional Information

Conditions aggravated/target organs: Corrosive! Toxic! Persons with preexisting skin, eye and respiratory disorders may be more susceptible. Acute: Severe irritation or burns to skin, eyes, respiratory tract and digestive tract, harmful or fatal by inhalation or ingestion. Chronic: Dermatitis, eye damage, possible blindness, inflammatory and ulcerative changes in mucous membranes, lead poisoning. Possible Cancer Hazard. Birth defect hazard. May be harmful to the environment if released in large quantities.

Flammability

Health

Reactivity

Revisions

NFPA

1

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