

MATERIAL SAFETY DATA SHEET

Doctor Solution (Sodium Plumbite)

SECTION 1 . Product and Company Identification

Product Name and Synonym: Doctor Solution (Sodium Plumbite)
Product Code: 3200
Material Uses:
Manufacturer: Science Stuff
1104 Newport Ave
Austin, TX 78753
(512) 837-6020
Entry Date : 6/3/2013
Print Date: 6/3/2013
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

Causes severe irritation and burns. 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 checked="" type="checkbox"/>	Lead Oxide, Yellow (Litharge)	CAS# 1317-36-8	~5%	W/V	
<input checked="" type="checkbox"/>	Sodium Hydroxide	CAS# 1310-73-2	12.5%	W/V	OSHA PEL 2 mg/mf ACGIH 2mg/mf
<input type="checkbox"/>	Water, Deionized ASTM Type II	CAS# 7732-18-5	90%	V/V	None Established

SECTION 4 FIRST AID MEASURES

Causes severe irritation and burns. 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: CALL A PHYSICIAN. SKIN: In case of contact, immediately flush skin with water for at least 15 minutes while removing contaminated clothing and shoes. Thoroughly clean clothing and shoes before reuse.

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: If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.

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SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Dry chemical, carbon dioxide
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. Dispose of in a manner consistent with federal, local law. Ventilate and wash spill site.

SECTION 7 HANDLING AND STORAGE

Store in a cool dry place. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: NIOSH/MSHA-approved respirator
Ventilation
Local Exhaust
Mechanical
Protective Gloves: Gloves to prevent skin exposure as rubber or vinyl
Eye Protection: Goggles and Face Shield
Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Melting Point:	information not available	Percent Volatile by Volume:	>80%
Boiling Point:	information not available	Evaporation Rate	N/E
Vapor Pressure:	information not available	Evaporation Standard	Not Applicable
Vapor Density:	information not available	Auto Ignition Temp	N/E
Solubility in Water:	Soluble	Lower Flamm. Limit in Air	N/A
Appearance /Odors:	Clear odorless liquid	Upper Flamm. Limit in Air	N/A
Flash Point:	not flammable		
Specific Gravity:	~1.3		

SECTION 10 STABILITY AND REACTIVITY INFORMATION

Stability: Stable
Conditions to Avoid: Avoid contact with incompatible materials.

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Materials to Avoid: Oxidizers, acids, acid halides & anhydrides, metals, organics
Hazardous Decomposition Products: Toxic corrosive fumes
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: Corrosive Liquid, n.o.s.,(Sodium Hydroxide Solution), 8, UN1760, PG II

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

Corrosive! Toxic! Conditions aggravated: Persons with preexisting skin, eye or respiratory conditions may be more susceptible. Acute: Severe irritation or burns to skin, eyes, respiratory and digestive systems. Seizures, nausea, vomiting, increased mucous secretion in lungs. Effects may be fatal. Chronic: Dermatitis, suspect carcinogen, possible teratogen. Target organs: Nervous system, liver, kidneys, blood.

Flammability

Health

Reactivity

Revisions

NFPA

0.1

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