

# MATERIAL SAFETY DATA SHEET

Phenolphthalein, Solution

## SECTION 1 . Product and Company Identification

Product Name and Synonym: Phenolphthalein, Solution  
Product Code: P1987  
Material Uses:  
Manufacturer: Science Stuff  
1104 Newport Ave  
Austin, TX 78753  
(512) 837-6020  
Entry Date : 6/13/2013  
Print Date: 6/13/2013  
24 Hour Emergency Assistance : Chemtrec 800-424-9300  
Canutec 613-996-6666

Health:	3
Flammability:	3
Reactivity:	0

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

NA=Not Applicable NE=Not Established

## SECTION 2 HAZARD IDENTIFICATION

Keep away from heat and ignition sources. Harmful if swallowed. Avoid breathing vapors. 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"/>	Alcohol, Reagent Denatured Ethyl Alcohol		50%	V/V	OSHA TWA 1000 ppm (1900 mg/m <sup>3</sup> )
<input type="checkbox"/>	Phenolphthalein	CAS# 77-09-8	0.5%	W/V	TXDS: irp-rat LDLo: 500 mg/Kg
<input type="checkbox"/>	Water, Deionized ASTM Type II	CAS# 7732-18-5	Balance	V/V	None Established

## SECTION 4 FIRST AID MEASURES

Keep away from heat and ignition sources. Harmful if swallowed. Avoid breathing vapors. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

FIRST AID: CALL A PHYSICIAN. SKIN: Remove contaminated clothing. Wash exposed area with soap and water.

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.

## SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Any means suitable for extinguishing surrounding fire

Phenolphthalein, Solution

Fire / Explosion Hazards: Vapor may travel considerable distance to source of ignition and flash back.  
Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

Remove all ignition sources. Ventilate area of leak or spill. Wear protective clothing and respirator. Contain and recover liquid when possible.

**SECTION 7 HANDLING AND STORAGE**

Store in a cool dry well ventilated area. Keep away from heat and flame. Do not get in eyes, on skin, or on clothing.

**SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Respiratory Protection: Organic Vapor Cartridge  
Ventilation: Local Exhaust   
Mechanical   
Protective Gloves: Gloves to prevent skin exposure as rubber or vinyl  
Eye Protection: Splash Goggles  
Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

Melting Point:	not available	Percent Volatile by Volume:	>99%
Boiling Point:	not available	Evaporation Rate	N/E
Vapor Pressure:	not available	Evaporation Standard	
Vapor Density:	not available	Auto Ignition Temp	Information not available
Solubility in Water:	Soluble	Lower Flamm. Limit in Air	Information not available
Appearance /Odors:	Clear colorless solution / ethyl alcohol odor	Upper Flamm. Limit in Air	Information not available
Flash Point:	not available		
Specific Gravity:	~0.9		

**SECTION 10 STABILITY AND REACTIVITY INFORMATION**

Stability: Stable  
Conditions to Avoid: Heat and ignition sources  
Materials to Avoid: Oxidizing materials  
Hazardous Decomposition Products: Oxides of Carbon  
Hazardous polymerization: Will Not Occur

Phenolphthalein, Solution

Conditions to Avoid: None known

**SECTION 11 Toxicological Information**

**SECTION 12 Ecological Information**

**SECTION 13 Disposal Considerations**

**SECTION 14 Transport Information**

DOT Classification: UN1993, Flammable Liquid, n.o.s. (Ethyl Alcohol), 3, 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: Toxic! Persons with preexisting skin, eye, respiratory, or kidney/liver disorders may be more susceptible. Acute: Irritation to skin, eyes, lungs, mucous membranes, and GI tract. Nausea, headache, dizziness, narcosis, vision impairment. Chronic: Blindness due to methyl alcohol, dermatitis, liver/kidney damage.

Flammability

Health

Reactivity

Revisions

NFPA

1

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