

MATERIAL SAFETY DATA SHEET

Phenolphthalein Solution

SECTION 1 . Product and Company Identification

Product Name and Synonym: Phenolphthalein Solution
Product Code: 6665
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:	2
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"/>	Phenolphthalein	CAS# 77-09-8	1%	W/V	TXDS: irp-rat LDLo: 500 mg/Kg
<input checked="" type="checkbox"/>	Pyridine	CAS# 110-86-1	Balance	V/V	OSHA TWA 5 ppm (15 mg/mf)

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: SKIN: Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, 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.

SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Water spray, Carbon dioxide, dry chemical, powder, foam.

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Fire / Explosion Hazards: Can release vapors that form explosive mixtures at temperatures at or above the flash point. Vapors may travel a considerable distance and flash back to the source

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.

SECTION 7 HANDLING AND STORAGE

Keep away from ignition sources. Do not expose and empty containers to heat. Keep container closed when not in use. Use in adequate ventilation.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: NIOSH/MSHA-approved respirator

Ventilation

Local Exhaust

Mechanical

Protective Gloves: Impervious gloves

Eye Protection: Splash Goggles and faceshield

Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Melting Point:	-43.6 Deg C	Percent Volatile by Volume:	not available
Boiling Point:	116 Deg C	Evaporation Rate	0
Vapor Pressure:	16 @ 68 Deg F	Evaporation Standard	
Vapor Density:	2.72	Auto Ignition Temp	900 Deg F
Solubility in Water:	Soluble	Lower Flamm. Limit in Air	1.8%
Appearance /Odors:	Water white liquid, obnoxious odor	Upper Flamm. Limit in Air	12.4%
Flash Point:	20 Deg C		
Specific Gravity:	0.983 @ 77Deg F		

SECTION 10 STABILITY AND REACTIVITY INFORMATION

Stability: Stable

Conditions to Avoid: Heat, flame or oxidizers

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Materials to Avoid: Exothermic reaction with acids and oxidizing agents
Hazardous Decomposition Products: Toxic fumes or cyanides and possibly ammonia.
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: UN1993, Flammable Liquid, n.o.s. (Pyridine), 3, 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

Material may be poisonous if inhaled or absorbed through the skin. Inhalation of mists or vapors may cause respiratory tract irritation and may result in pulmonary edema. May cause headaches restlessness, irritability or sleeplessness and other central nervous system effects. May cause nausea and vomiting. Exposure to high levels may result in coma or death. If material comes in contact with skin may cause burns or contact dermatitis. If material comes in contact with eyes may cause severe eye irritation. Injury may be permanent. If swallowed may result in severe stomach irritation, including nausea and vomiting. Central nervous system depression, possible kidney and liver damage. Target organs: Liver and kidney. Persons with pre-existing disorders may be more susceptible.

Flammability

Health

Reactivity

Revisions

NFPA

0.1

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