

MATERIAL SAFETY DATA SHEET

Phenol Solution

SECTION 1 . Product and Company Identification

Product Name and Synonym: Phenol Solution
Product Code: P1959
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:	1
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 be fatal if inhaled, swallowed or absorbed thru the skin Avoid all contact. Use with adequate ventilation. Wash thoroughly after use. Keep container closed.

SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input checked="" type="checkbox"/>	Phenol	CAS#: 108-95-2	5%	W/V	OSHA TWA 5 ppm (19 mg/mf)
<input type="checkbox"/>	Water, Deionized ASTM Type II	CAS# 7732-18-5	Balance	V/V	None Established

SECTION 4 FIRST AID MEASURES

May be fatal if inhaled, swallowed or absorbed thru the skin Avoid all contact. Use with adequate ventilation. Wash thoroughly after use. 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: Water spray, Carbon dioxide, dry chemical, powder, foam.
Fire / Explosion Hazards: emits toxic fumes under fire conditions
Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

Phenol Solution

SECTION 6 ACCIDENTAL RELEASE MEASURES

wear protective clothing and respiratory protection from mists. Cover with soda or lime. Keep in closed container and hold for disposal..

SECTION 7 HANDLING AND STORAGE

store in a cool dry place away from fire and flame.. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: Organic Vapor Cartridge
Ventilation
Local Exhaust
Mechanical
Protective Gloves: Solvent resistant gloves as neoprene or nitrile
Eye Protection: Splash Goggles
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:	95%
Boiling Point:	Information not available	Evaporation Rate	not available
Vapor Pressure:	Information not available	Evaporation Standard	
Vapor Density:	Information not available	Auto Ignition Temp	not available
Solubility in Water:	Miscible	Lower Flamm. Limit in Air	not available
Appearance /Odors:	Clear liquid distinct phenol odor.	Upper Flamm. Limit in Air	not available
Flash Point:	information not available		
Specific Gravity:	~1		

SECTION 10 STABILITY AND REACTIVITY INFORMATION

Stability: Stable
Conditions to Avoid: heat, open flame, light
Materials to Avoid: Strong oxidizing agents, bases, acids.
Hazardous Decomposition Products: oxides of carbon,
Hazardous polymerization: not knowm to occur
Conditions to Avoid: None known

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SECTION 11 Toxicological Information

SECTION 12 Ecological Information

SECTION 13 Disposal Considerations

SECTION 14 Transport Information

DOT Classification: UN2821, Phenol Solution, 6.1, 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

FATAL/TOXIC!! Effects of over exposure: fatal/destructive to soft tissue, mucous membranes, upper respiratory tract. acute: shortness of breathe, headache, nausea, vomiting and wheezing. chronic: fatal/destructive if inhaled. target organs: liver, kidney, nervous system. Conditions aggravated/target organs. Persons with pre-existing eye, skin or respiratory conditions may be more susceptible.

Flammability

Health

Reactivity

Revisions

NFPA

0.1

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