

MATERIAL SAFETY DATA SHEET

5% Phenol Solution

SECTION 1 . Product and Company Identification

Product Name and Synonym: 5% Phenol Solution

Product Code: 144-943

Material Uses:

Manufacturer: OFI Testing Equipment, Inc.
11302 Steeplecrest Drive
Houston, TX 77065 USA
Phone: (713) 880-9885
Fax: (713) 880-9886

Entry Date : 5/5/2010

Print Date: 7/28/2010

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.

Emergency Overview:Poison! Danger! May Be Fatal If Swallowed, Inhaled Or Absorbed Through Skin. Rapidly Absorbed Through Skin. Corrosive. Causes Severe Burns To Every Area Of Contact. Affects Central Nervous System, Liver And Kidneys. Combustible Liquid And Vapor.

Inhalation:Breathing Vapor, Dust or Mist Results in Digestive Disturbances (Vomiting, Difficulty in Swallowing, Diarrhea, Loss of Appetite). Will Irritate, Possibly Burn Respiratory Tract. Other Symptoms Listed Under Ingestion May Also Occur.

Ingestion:Poison! Symptoms may Include Burning Pain in Mouth and Throat, Abdominal Pain, Nausea, Vomiting, Headache, Dizziness, Muscular Weakness, Central Nervous System Effects, Increase in Heart Rate, Irregular Breathing, Coma, and Possibly Death. Acute Exposure is Also Associated with Kidney and Liver Damage.

Skin:Corrosive! Rapidly Absorbed Through the Skin with Systemic Poisoning Effects to Follow. Discoloration and Severe Burns may Occur, but may be Disguised by a Loss in Pain Sensation.

Eye Contact:Corrosive! Eye Burns with Redness, Pain, and Blurred Vision may Occur. May Cause Severe Damage and Blindness.

Chronic Exposure:Repeated Exposure may Cause Symptoms Described for Acute Poisoning as well as Eye and Skin Discoloration.

Aggravated by Exposure:Persons with Pre-Existing Skin, Eye or Central Nervous System Disorders, or Impaired Liver, Kidney or Pulmonary Function may be more Susceptible to the Effects of this Substance.

SECTION 3 MIXTURE COMPONENTS

5% Phenol Solution

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/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 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.

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..
Ventilate area of Leak or Spill. Remove all Sources of Ignition. Wear Appropriate Personal Protective Equipment as Specified in Section 8. Isolate Hazard Area. Keep Unnecessary and Unprotected Personnel from Entering. Contain and Recover Liquid when Possible. Use Non-Sparking Tools and Equipment. Neutralize with Soda Ash or Lime and Absorb with an Inert Material (e.g., Vermiculite, Dry Sand, Earth), and Place in a Chemical Waste Container. Do Not Use Combustible Materials, such as Saw Dust. Do Not Flush to Sewer! US Regulations (CERCLA) Require Reporting Spills and Releases to Soil, Water and Air in Excess of Reportable Quantities.

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

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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 known to occur
Conditions to Avoid: None known

SECTION 11 Toxicological Information

Carcinogenic References: IARC Category-3, NTP Carcinogen - Known: No

SECTION 12 Ecological Information

Environmental Fate:When released into the soil, this material is expected to readily biodegrade. When released into the soil, this material is not expected to leach into groundwater. When released into the soil, this material may evaporate to a moderate extent. When released into the soil, this material is expected to have a half-life between 1 and 10 days. When released into water, this material is expected to readily biodegrade. When released into water, this material is not expected to evaporate significantly. When released into water, this material is expected to have a half-life between 10 and 30 days. This material has an estimated bioconcentration factor (BCF) of less than 100. This material is not expected to significantly bioaccumulate. When released into the air, this material is expected to be readily degraded by reaction with photochemically produced hydroxyl radicals. When released into the air, this material may be moderately degraded by photolysis. When released into the air, this material is expected to have a half-life of less than 1 day.

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Environmental Toxicity: This material is expected to be toxic to aquatic life. The LC50/96-hour values for fish are between 10 and 100 mg/l.

SECTION 13 Disposal Considerations

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved incinerator or disposed in a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

SECTION 14 Transport Information

DOT Classification: Phenol Solution, 6.1, UN2821, PG II

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

SECTION 15 Regulatory Information

Chemical Inventory Status –
Part 1: Ingredient TSCA EC Japan Australia
Phenol(108-95-2) Yes Yes Yes Yes

Chemical Inventory Status –
Part 2: Ingredient Korea DSL NDSL Phil.
Phenol (108-95-2) Yes Yes No Yes

Federal, State & International Regulations –
Part 1: Ingredient RQ TPQ List Chemical Catg.
Phenol (108-95-2) 1000 500* Yes No

Federal, State &
International Regulations –
Part 2: Ingredient CERCLA 261.33 8(d)
Phenol (108-95-2) 1000 U188 No

Chemical Weapons Convention: No

TSCA 12 (b): No

CDTA: No Acute: Yes Chronic: Yes Fire: Yes Pressure: No Reactivity: No Mixture/Liquid

SARA 311/312: 2x

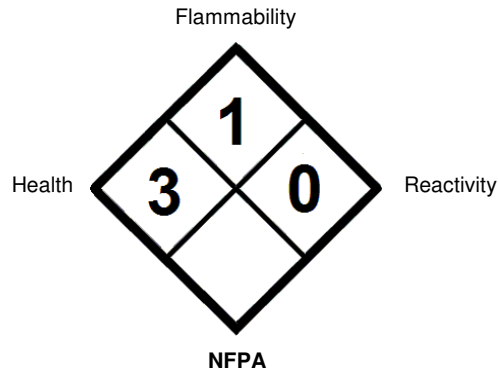
Australian Hazchem Code: S6

Poison Schedule:

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.

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Revisions

7/26/2010	0.1	updated msds to 16 section from 10 section msds. STN
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