

Material Safety Data Sheet

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24 Hour Emergency Assistance

Section 1 Identification						Section 6 Accidental Release Measures																																			
Product Number: C1368						Absorb spill with inert material. Flush excess down drain.																																			
Product Name: Buffer Solution, pH 4 (Red) Traceable to N.I.S.T.						Section 7 Handling and Storage																																			
Trade/Chemical Synonyms:						Store in a cool dry place. This Material is not considered hazardous. Handle using safe laboratory practices.																																			
Formula: N/A						Section 8 Exposure Controls & Personal Protection																																			
RTECS: None						Respiratory Protection: None required																																			
C.A.S: See Below						Mechanical: <input type="checkbox"/> Hand Gloves to prevent skin exposure Protection: as latex or vinyl Ventilation: <input type="checkbox"/> Local Exhaust: <input checked="" type="checkbox"/> Eye Safety Glasses w/Side Shields Protection: Safety Glasses w/Side Shields																																			
Section 2 Component Mixture <table border="1"> <thead> <tr> <th>Sara 313</th> <th>Component</th> <th>CAS Number</th> <th>%</th> <th>Dim</th> <th>Exposure Limits:</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/></td> <td>Water, Deionized ASTM Type II</td> <td>CAS# 7732-18-5</td> <td>Balance</td> <td>V/V</td> <td>None Established</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Methyl Red Sodium Salt</td> <td>CAS# 845-10-3</td> <td>< 0.01%</td> <td>W/V</td> <td>None Established</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Potassium Hydrogen Phthalate</td> <td>CAS# 877-24-7</td> <td>1.02%</td> <td>W/V</td> <td>TXDS: orl-rat LD₅₀: 3200 mg/Kg</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Thymol Crystal</td> <td>CAS# 89-83-8</td> <td>0.01%</td> <td>W/V</td> <td></td> </tr> </tbody> </table>						Sara 313	Component	CAS Number	%	Dim	Exposure Limits:	<input type="checkbox"/>	Water, Deionized ASTM Type II	CAS# 7732-18-5	Balance	V/V	None Established	<input type="checkbox"/>	Methyl Red Sodium Salt	CAS# 845-10-3	< 0.01%	W/V	None Established	<input type="checkbox"/>	Potassium Hydrogen Phthalate	CAS# 877-24-7	1.02%	W/V	TXDS: orl-rat LD ₅₀ : 3200 mg/Kg	<input type="checkbox"/>	Thymol Crystal	CAS# 89-83-8	0.01%	W/V		Section 9 Physical and Chemical Properties Melting Point: -0° C Specific Gravity: ~1 Boiling Point: ~100° C Percent Volatile by Volume: > 99% Vapor Pressure: Information not available Evaporation Rate: Information not available Vapor Density: Information not available Evaporation Standard: Solubility in Water: Soluble Auto Ignition Temperature: Not applicable Appearance and Odor: Clear red solution/Slight benzoic acid odor Lower Flamm. Limit in Air: Not applicable Flash Point: not flammable Upper Flamm. Limit in Air: Not applicable					
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Section 3 Hazard Identification (Also see section 11)						Section 10 Stability and Reactivity Information																																			
May be harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.						Stability: Stable Conditions to Avoid: High temperature, air																																			
Section 4 First Aid Measures						Materials to Avoid: Strong acids and bases																																			
May be harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.						Hazardous Decomposition Products: Not known to occur																																			
FIRST AID: SKIN: Wash exposed area with soap and water. If irritation persists, seek medical attention.						Hazardous Polymerization: Will Not Occur																																			
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						Condition to Avoid: None known																																			
INGESTION: If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.						Section 11 Additional Information																																			
Section 5 Fire Fighting Measures						Overexposure symptoms. Acute: Essentially non-hazardous. Possible irritation of eyes/stomach. Chronic: None known. Conditions aggravated/Target organs: none known.																																			
Fire Extinguisher: Any means suitable for extinguishing surrounding fire Type:						DOT Classification: Not Regulated																																			
Fire/Explosion Hazards: None						DOT regulations may change from time to time. Please consult the most recent version of the relevant regulations.																																			
Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.						Revision No: 0.2 Date Entered: 1/1/2003 Approved by: WPF																																			

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