Material Safety Data Sheet

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24 Hour Emergency Assistance

Section 1 Identification

Product Number:	C1388
Product Name:	Buffer Solution, pH 10.0 (Blue) Traceable to N.I.S.T.
Trade/Chemical Synonyms	
Formula:	N/A
RTECS:	None
C.A.S	See Below

Health:	1
Flammability	0
Reactivity	0

Hazard Rating:

Least	Slight	Moderate	High	Extreme
0	1	2	3	4

NA = Not Applicable NE = Not Established

Section 2 Component Mixture

Sara 313	Component	CAS Number	%	Dim	Exposure Limits:
☐	Water, Deionized ASTM Type II	CAS# 7732-18-5	Balance	V/V	None Established
☐	Bromothymol Blue Sodium Salt	CAS# 34722-90-2	<0.01 %	W/V	None established
☐	Sodium Bicarbonate	CAS# 144-55-8	0.21%	W/V	None Established
☐	Sodium Carbonate Anhydrous	CAS# 497-19-8	0.26%	W/V	None Established

Section 3 Hazard Identification (Also see section 11)

Generally not hazardous in normal handling, however good laboratory practices should always be used. Avoid long term exposure to skin or by inhalation.

Section 4 First Aid Measures

Generally not hazardous in normal handling, however good laboratory practices should always be used. Avoid long term exposure to skin or by inhalation.

FIRST AID: SKIN: Wash exposed area with soap and water. If irritation persists, seek medical attention.

EYES: Wash eyes with plenty of water for at least 15 minutes,

Section 6 Accidental Release Measures

Absorb spill with inert material. Flush excess down drain.

Section 7 Handling and Storage

Store in a cool dry place. This Material is not considered hazardous. Handle using safe laboratory practices.

Section 8 Exposure Controls & Personal Protection

Respiratory Protection:None required

Ventilation:

Mechanical: ☐

Local Exhaust: ☑

Hand Protection: Gloves to prevent skin exposure as latex or vinyl

Eye Protection: Splash Goggles

Other Protective Equipment: Use safe laboratory handling procedures.

Section 9 Physical and Chemical Properties

Melting Point:	~0°C	Specific Gravity	~1
Boiling Point:	~100°C	Percent Volatile by Volume:	>98
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, blue, odorless liquid	Lower Flamm. Limit in Air:	Not applicable
Flash Point:	Not flammable	Upper Flamm. Limit in Air:	Not applicable

Section 10 Stability and Reactivity

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 water. Vomiting may occur, but it is not necessary to induce.

Section 5 Fire Fighting Measures

Fire Extinguisher Type:	Any means suitable for extinguishing surrounding fire
Fire/Explosion Hazards:	None
Fire Fighting Procedure:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

Information

Stability: Stable

Conditions to Avoid: High Temperature

Materials to Avoid: None known

Hazardous Decomposition Products: None known

Hazardous Polymerization: Will Not Occur

Condition to Avoid: None known

Section 11 Additional Information

Overexposure symptoms. Acute: Essentially non-hazardous. Possible irritation of eyes/stomach. Chronic: None known. Conditions aggravated/Target organs: none known.

DOT Classification: Not regulated

DOT regulations may change from time to time. Please consult the most recent version of the relevant regulations.

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