

MATERIAL SAFETY DATA SHEET

Buffer Solution, pH 10.0 (Blue)

SECTION 1 . Product and Company Identification

Product Name and Synonym: Buffer Solution, pH 10.0 (Blue)

Product Code: 147-40-1

Material Uses:
Manufacturer: OFI Testing Equipment, Inc.

11302 Steeplecrest Drive
Houston, TX 77065 USA
Phone: (713) 880-9885
Fax: (713) 880-9886

Entry Date : 3/4/2009

Print Date: 7/28/2010

24 Hour Emergency Assistance : Chemtrec 800-424-9300
Canutec 613-996-6666

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 HAZARD IDENTIFICATION

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

Emergency Overview:Caution! May cause irritation to skin, eyes, and respiratory tract. May be harmful if swallowed.

Inhalation:May cause mild irritation to the respiratory tract.

Ingestion:Large oral doses may cause irritation to the gastrointestinal tract.

Skin:May cause irritation with redness and pain.

Eye Contact:May cause irritation, redness and pain.

Chronic Exposure:No information found.

Aggravated by Exposure:No information found.

SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input type="checkbox"/>	Bromothymol Blue Sodium Salt	CAS# 34722-90-2	<0.01%	W/V	None established
<input type="checkbox"/>	Sodium Bicarbonate	CAS# 144-55-8	0.21%	W/V	None Established
<input type="checkbox"/>	Sodium Carbonate Anhydrous	CAS# 497-19-8	0.26%	W/V	None Established
<input type="checkbox"/>	Water, Deionized ASTM Type II	CAS# 7732-18-5	Balance	V/V	None Established

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, lifting lids

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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.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Absorb spill with inert material. Flush excess down drain.
Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Contain and recover liquid when possible. Collect liquid in an appropriate container or 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. 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. This Material is not considered hazardous. Handle using safe laboratory practices.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: None required
Ventilation
Local Exhaust
Mechanical
Protective Gloves: Gloves to prevent skin exposure as rubber or vinyl
Eye Protection: Splash Goggles
Other Protective Equipment: Use safe laboratory handling procedures.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Melting Point:	~ 0°C	Percent Volatile by Volume:	> 98
Boiling Point:	~ 100°C	Evaporation Rate	Information not available
Vapor Pressure:	Information not available	Evaporation Standard	
Vapor Density:	Information not available	Auto Ignition Temp	Not applicable
Solubility in Water:	Soluble	Lower Flamm. Limit in Air	Not applicable
Appearance /Odors:	Clear, blue,	Upper Flamm. Limit in Air	Not applicable

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odorless liquid

Flash Point: Not flammable

Specific Gravity: ~ 1

SECTION 10 STABILITY AND REACTIVITY INFORMATION

Stability: Stable
Conditions to Avoid: High Temperature
Materials to Avoid: None known
Hazardous Decomposition Products: None known
Hazardous polymerization: Will Not Occur
Conditions to Avoid: None known

SECTION 11 Toxicological Information

-----\Cancer Lists\-----
- --NTP Carcinogen--
Ingredient
Bromothymol Blue Sodium Salt(34722-90-2)
Sodium Bicarbonate (144-55-8)
Sodium Carbonate (497-19-8)
Known Anticipated IARC Category
No No None
No No None
No No None

SECTION 12 Ecological Information

No Information Found.

SECTION 13 Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal 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: Not regulated

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
Bromothymol Blue Sodium Salt (34722-90-2)
Sodium Bicarbonate (144-55-8)
Sodium Carbonate (497-19-8)
TSCA Yes Yes YES
EC Yes Yes YES
Japan No Yes YES
Australia Yes Yes YES

Chemical Inventory Status –
Part 2:Ingredient
Bromothymol Blue Sodium Salt (34722-90-2)
Sodium Bicarbonate (144-55-8)
Sodium Carbonate (497-19-8)
Korea NO Yes YES

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DSL Yes Yes YES
 NDSL No No NO
 Phil. Yes Yes YES

Federal, State & International Regulations –
 Part 1: Ingredient.

Bromothymol Blue Sodium Salt (34722-90-2)

Sodium Bicarbonate (144-55-8)

Sodium Carbonate (497-19-8)

RQ NO No NO
 TPQ NO NO NO
 List NO No NO
 Chemical Catg No No NO

Federal, State &
 International Regulations –
 Part 2:Ingredient

Bromothymol Blue Sodium Salt (34722-90-2)

Sodium Bicarbonate (144-55-8)

Sodium Carbonate (497-19-8)

CERCLA NO No NO
 261.33 No No NO
 8(d) No No NO

Chemical Weapons Convention:No

TSCA 12 (b):No

CDTA:NO Mixture/Liquid)

SARA 311/312: Acute: Yes

Chronic: NO

Fire: No

Pressure: No

Reactivity: No

Australian Hazchem Code: None

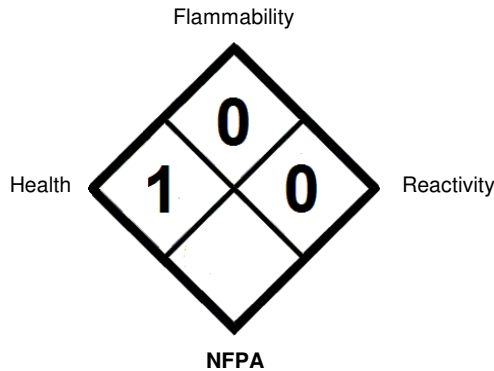
Poison Schedule: None allocated

WHMIS:This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR)

and the MSDS contains all of the information required by the CPR.

SECTION 16 Additional Information

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



Revisions

7/28/2010	0.1	updated msds to 16 section from 10 section msds. STN
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