

MATERIAL SAFETY DATA SHEET

Buffer Solution, pH 10.0 (Blue)

SECTION 1 . Product and Company Identification

Product Name and Buffer Solution, pH 10.0 (Blue)

Product Code: 147-40

Material Uses: OFI Testing Equipment Inc. Health: 1
Flammability: 0

Manufacturer: 11302 Steeplecrest Dr. Reactivity: 0

Houston, TX 77065

(877) 837-8683

Entry Date : 7/15/2013

Print Date: 7/15/2013

24 Hour Emergency Assistance : INFOTRAC USA - CANADA: 1-800-535-5053
INTERNATIONAL: 1-352-323-3500

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
	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
	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.

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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 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

SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Any means suitable for extinguishing surrounding fire

None

Fire / Explosion Hazards:

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

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	>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

Buffer Solution, pH 10.0 (Blue)

Appearance /Odors: Clear, blue, Upper Flamm. Limit in Air Not applicable
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: None known

Products:

Hazardous polymerization: Will Not Occur

Conditions to Avoid: None known

SECTION 11

Toxicological Information

-----\Cancer Lists\-----
--NTP Carcinogen--

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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
DSL	Yes	Yes	YES

Page 3 of 5 NDSL No No NO

Phil.	Yes	Yes	YES
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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.

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SECTION 16

Additional Information

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

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Flammability

Health

Reactivity

Revisions

7/28/2010

NFPA

0.1

updated msds to 16 section from 10 section msds. STN

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