

OFI TESTING EQUIPMENT, INC.
MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION	
Chemical Name:	BUFFER SOLUTION, pH 10.0
Trade Name:	BUFFER SOLUTION, pH 10.0
OFI Part No.	147-40,147-40-1
Chemical Family:	Not applicable to mixtures.
Formula:	Not applicable to mixtures.
Manufacturer:	OFI Testing Equipment, Inc. 1006 West 34 th Street Houston, TX 77018 U.S.A. (713) 880-9885
In Case of Emergency Spills, Leaks, Fire, Exposure or Accident:	In the USA, call INFOTRAC at 1-800-535-5053 day or night Outside the USA, call collect, (352) 323-3500
SECTION II - COMPOSITION / INFORMATION ON INGREDIENTS	
CAS #:	CHEMICAL NAME
34722-90-2	Bromothymol Blue Sodium Salt < 0.01%
144-55-8	Sodium Bicarbonate 0.21%
497-19-8	Sodium Carbonate 0.26%
SECTION III - HAZARD IDENTIFICATION	
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 IV - FIRST AID MEASURES	
Inhalation:	Remove to fresh air. Get medical attention for any breathing difficulty.
Ingestion:	If swallowed, give several glasses of water to drink to dilute. If large amounts were swallowed or symptoms occur, get medical advice. Never give anything by mouth to an unconscious person.
Skin:	Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation develops.
Eyes:	Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists.
SECTION V - FIRE FIGHTING MEASURES	
Fire:	Not Considered to be a Fire Hazard.
Explosion:	Not Considered to be an Explosion Hazard.
Fire Extinguishing Media:	Use any means Suitable for Extinguishing Surrounding Fire.
Special Information:	Use Protective Clothing and Breathing Equipment Appropriate for the Surrounding Fire.
SECTION VI - ACCIDENTAL RELEASE MEASURES	
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 VII - HANDLING AND STORAGE	
Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product.	

SECTION VIII - EXPOSURE CONTROL / PERSONAL PROTECTION

Ventilation System:	Not expected to require any special ventilation. In general, dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.
Airborne Exposure Limits:	No information Found.
Personal Respirators: (NIOSH APPROVED)	Not expected to require personal respirator usage. If the exposure limit is exceeded, a half-face dust/mist respirator may be worn for up to ten times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. A full-face piece dust/mist respirator may be worn up to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency, or respirator supplier, whichever is lowest. For emergencies or instances where the exposure levels are not known, use a full-facepiece positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.
Skin Protection:	Wear protective gloves and clean body-covering clothing.
Eye Protection:	Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Appearance / Odor:	Clear, Light Blue Liquid / Odorless
Solubility:	Completely Miscible with Water
Specific Gravity:	No Information Found
pH:	10
% Volatiles by Vol.:	> 99
Melting Point:	32 °F (0 °C)
Boiling Point:	212 °F (100 °C)
Vapor Density (Air=1):	No Information Found
Vapor Pressure (mmHg):	No Information Found

SECTION X - STABILITY AND REACTIVITY

General Reactivity:	Stable Under Ordinary Conditions of Use and Storage.
Hazardous Decomposition:	Will Not Occur.
Incompatibilities:	Acids, Aluminum, Tin and Zinc Metals
Hazardous Polymerization:	Will Not Occur.

SECTION XI - TOXICOLOGICAL INFORMATION

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

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

SECTION XII - ECOLOGICAL INFORMATION

No Information Found.

SECTION XIII - 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 XIV - TRANSPORT INFORMATION					
Hazard Class:	Not Regulated				
Identification No.:	Not Regulated				
SECTION XV - REGULATORY INFORMATION					
Chemical Inventory Status Part 1	Ingredient	TSCA	EC	Japan	Australia
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	Bromothymol Blue Sodium Salt (34722-90-2)	Yes	Yes	No	Yes
	Sodium Bicarbonate (144-55-8)	Yes	Yes	Yes	Yes
	Sodium Carbonate (497-19-8)	Yes	Yes	Yes	Yes
Chemical Inventory Status Part 2	Ingredient			--Canada--	
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	Bromothymol Blue Sodium Salt (34722-90-2)	No	Yes	No	Yes
	Sodium Bicarbonate (144-55-8)	Yes	Yes	No	Yes
	Sodium Carbonate (497-19-8)	Yes	Yes	No	Yes
Federal, State & International Regulations - Part 1	Ingredient	-SARA 302- RQ	TPQ	-----SARA 313----- List	-----SARA 313----- Chemical Catg.
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	Bromothymol Blue Sodium Salt (34722-90-2)	No	No	No	No
	Sodium Bicarbonate (144-55-8)	No	No	No	No
	Sodium Carbonate (497-19-8)	No	No	No	No
Federal, State & International Regulations - Part 2	Ingredient	CERCLA	-RCRA- 261.33	-TSCA- 8(d)	
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	Bromothymol Blue Sodium Salt (34722-90-2)	No	No	No	No
	Sodium Bicarbonate (144-55-8)	No	No	No	No
	Sodium Carbonate (497-19-8)	No	No	No	No
Chemical Weapons Convention:	No				
TSCA 12(b):	No				
CDTA:	No				
SARA 311/312:	Acute: Yes				
Chronic:	No				
Fire:	No				
Pressure:	No				
Reactivity:	No (Mixture / Liquid)				
Australian Hazchem Code:	None allocated.				
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 XVI - OTHER INFORMATION					
NFPA Rating:	HEALTH-1, FLAMMABILITY-0, REACTIVITY-0				
Disclaimer:	The information contained herein is based upon data believed to be reliable and reflects our best professional judgment. Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained therein and assume no responsibility regarding the suitability of this information for the user's intended purpose or for the consequence of its use. Each individual should make a determination as to the suitability of the information for his/her particular purpose(s).				