

***** MATERIAL SAFETY DATA SHEET *****

IDENTITY: #106 BUFFER SOLUTION 10.00 pH
CHEMICAL NAME/FAMILY: Aqueous pH Buffer

SECTION I - GENERAL INFORMATION

SUPPLIER'S NAME: MASTERS CHEMICAL COMPANY, INC. 200 Wilson Court, Bensenville, IL 60106
PHONE: (630) 238-9292 EMERGENCY PHONE: (ChemTel) (800) 255-3924
DATE PREPARED: June, 1997

SECTION II - INGREDIENT INFORMATION

Boric Acid	CAS# 10043353	0-3%	OSHA PEL/ACGIH TLV: None established.
Potassium chloride	CAS# 7447407	0-3%	OSHA PEL/ACGIH TLV: None established.
Non-hazardous ingredients		0-94%	

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT:	212°F	SPECIFIC GRAVITY (H ₂ O=1):	1.00	VAPOR DENSITY (air=1):	N.I.A.
MELTING POINT:	N/A	EVAPORATION RATE (H ₂ O=1):	1.00	VAPOR PRESSURE (mmHg):	N.I.A.
WATER SOLUBILITY:	Complete	WATER REACTIVE:	No	pH:	10.00
% VOLATILE (by wgt):	100	APPEARANCE/ODOR:	Clear or blue colored liquid.		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: Non-Flammable
FLAMMABILITY: LEL: N/A UEL: N/A/
EXTINGUISHING MEDIA: Foam, dry chemical, alcohol foam, CO₂, water spray.
SPECIAL FIRE FIGHTING PROCEDURES: Self contained breathing apparatus must be worn before entering any fire.
UNUSUAL FIRE & EXPLOSION HAZARDS: None

SECTION V - REACTIVITY DATA

STABILITY: STABLE X UNSTABLE
HAZARDOUS POLYMERIZATION: MAY OCCUR WILL NOT OCCUR X
INCOMPATIBILITY (MATERIALS TO AVOID): Acids, oxidizers, or any reactive materials.
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: None

SECTION VI - HEALTH HAZARD DATA

ROUTE OF ENTRY: INHALATION? X SKIN? X INGESTION? X
CARCINOGENICITY: NTP? No IARC MONOGR.? No OSHA REG.? No
HEALTH HAZARDS: Acute: Possible irritation to eyes and skin.
Chronic: None indicated.
EFFECTS OF OVEREXPOSURE: None indicated.

EMERGENCY & FIRST AID PROCEDURES:

EYE/SKIN CONTACT: Flush with water for 15 minutes. Seek medical attention immediately (eyes) or if irritation persists (skin).
INHALATION: Remove to fresh air. If breathing has stopped, give artificial respiration.
INGESTION: Do not induce vomiting. Dilute by giving large amounts of water. Seek medical attention immediately.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

SPILL RESPONSE: Absorb spill with paper towel or similar absorbent and place in dry garbage; or flush to sewer or ground with large amounts of water.
WASTE DISPOSAL: As per local and federal regulations.
PRECAUTIONS TO BE TAKEN IN HANDLING & STORAGE: None indicated.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION: NIOSH approved respirator
VENTILATION: Local exhaust
PROTECTIVE GLOVES: Rubber gloves
EYE PROTECTION: Chemical splash goggles and/or face shield.
OTHER PROTECTIVE EQUIPMENT: Rubber apron
WORK/HYGIENIC PRACTICES: N/A
HMIS RATING: Health: 1, Flammability: 0, Reactivity: 0, Personal Protection: C

SARA TITLE III: REGULATORY INGREDIENT INFORMATION

1. Title III Section 302/304 Emergency Planning Notification and Emergency Release Notification Requirements (SARA Extremely Hazardous Substance List and/or CERCLA Hazardous Substance List).

This product is not known to contain a substance subject to Section 302/304 of SARA Title III.

2. Title III Section 313 Toxic Chemicals Annual Release Reporting Requirements (SARA Section 313 Toxic Chemicals list).

This product is not known to contain a substance subject to Section 313 of SARA Title III.

*******DISCLAIMER**

The above information has been transferred to this format by Cole-Parmer Instrument Company, from a Material Safety Data Sheet supplied by the manufacturer identified in Section I. The contents of this MSDS have been represented to Cole-Parmer by the manufacturer to be complete and accurate.

If you have any questions related to the material provided herein, contact the manufacturer directly at the address and phone number given in section I of the MSDS.

Cole-Parmer does not, in any way, represent itself as an expert in the chemical described in this MSDS and assumes no liability for any incomplete or inaccurate information contained herein.