



E K Industries, Inc.

1403 Herkimer Street
Joliet, IL 60432-1059
(815) 723-4000
www.eki-chem.com

MATERIAL SAFETY DATA SHEET

PRODUCT Buffer Solution, pH 4.01

PRODUCT CODES 2500

REVISION DATE 2/24/2010

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SECTION 1 PRODUCT IDENTIFICATION

PRODUCT NAME Buffer Solution, pH 4.01

PRODUCT CODES 2500

SYNONYMS N/I

CAS NUMBER Does not apply

FORMULA Does not apply

FORMULA WEIGHT Does not apply

REVISION DATE 2/24/2010

24 HOUR EMERGENCY TELEPHONE

CALL CHEMTREC (800) 424-9300

Contact CHEMTREC (Chemical Transportation Emergency Center) only in the event of emergencies involving a chemical spill, leak, fire, exposure or other accident.

SECTION 2 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

CAUTION. MAY CAUSE SLIGHT IRRITATION.

PRECAUTIONARY MEASURES

Avoid contact with skin, eyes and clothing. Avoid breathing mist. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

ROUTES OF ENTRY AND EFFECTS OF OVEREXPOSURE

SKIN CONTACT MAY CAUSE SLIGHT IRRITATION.

EYE CONTACT MAY CAUSE SLIGHT IRRITATION.

IF INHALED MAY CAUSE SLIGHT RESPIRATORY TRACT IRRITATION.

IF SWALLOWED MAY CAUSE SLIGHT IRRITATION.

CHRONIC N/I

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE N/I

TARGET ORGANS N/I

CARCINOGENICITY No component of this mixture is listed by NTP, IARC or OSHA.



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SECTION 3 FIRST AID PROCEDURES

- SKIN CONTACT** Immediately wash with plenty of soap and water. Get medical attention for persistent irritation.
- EYE CONTACT** Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention for persistent irritation.
- IF INHALED** Remove to fresh air. Get medical attention for any breathing difficulty.
- IF SWALLOWED** DO NOT INDUCE VOMITING. If conscious, give several glasses of water to drink. Get immediate medical attention.

SECTION 4 FIRE FIGHTING MEASURES

FLASH POINT (C) Not expected to be a fire hazard.

EXPLOSIVE LIMITS (%) **UPPER** Does not apply **LOWER** Does not apply

AUTOIGNITION TEMPERATURE (C) Does not apply

NFPA HAZARD IDENTIFICATION Health: 1 Flammability: 0 Reactivity: 0 Special Hazards: -

NFPA HAZARD IDENTIFICATION is *not* intended to address occupational exposure occurring under normal conditions of use. It only addresses hazards presented by Fire, Spill or Similar Emergencies. NFPA 704 2007 ed. 1.1 and 1.3.2(1).

EXTINGUISHING MEDIA Suitable for surrounding fire.

SPECIAL FIRE FIGHTING PRODECURES Fire fighters should wear self-contained breathing apparatus with full facepiece operated in pressure-demand or other positive pressure mode.

UNUSUAL FIRE AND EXPLOSION HAZARDS N/I

SECTION 5 ACCIDENTAL RELEASE MEASURES

IF SPILLED Absorb spill with inert material, scoop up and containerize for disposal.

WASTE DISPOSAL METHOD Dispose in accordance with all local, state and federal environmental regulations.



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SECTION 6 EXPOSURE CONTROL AND STORAGE

VENTILATION Local or general.

RESPIRATORY PROTECTION If necessary, APPROVED Mist respirator.

EYE PROTECTION Chemical splash safety goggles and/or chemical splash face shield.

SKIN PROTECTION Nitrile gloves, lab coat and impervious apron.

STORAGE Store tightly closed at 15-30C.

SECTION 7 HAZARDOUS COMPONENTS AND EXPOSURE LIMITS

<u>COMPONENT</u>	<u>CAS NUMBER</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Potassium Biphthalate	877-24-7	N/E	N/E

SECTION 8 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR	Clear, red liquid.	BOILING POINT (C)	~100
SOLUBILITY IN WATER	Miscible	EVAPORATION RATE	N/E
DENSITY / SPECIFIC GRAVITY	~1	VAPOR PRESSURE (mm Hg)	N/E
MELTING POINT (C)	~0	VAPOR DENSITY	N/E



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SECTION 9 STABILITY AND REACTIVITY

STABILITY Stable

CONDITIONS TO AVOID Excessive heat

MATERIALS TO AVOID N/I

HAZARDOUS DECOMPOSITION PRODUCTS N/I

HAZARDOUS POLYMERIZATION Will not occur.

DISCLAIMER:

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