

# FLINN SCIENTIFIC, INC.

## Safety Data Sheet (SDS)

SDS #: 155.00

Revision Date: March 21, 2014

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Buffer Solution, Concentrated, pH 7.00

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261

CHEMTREC Emergency Phone Number: (800) 424-9300

Signal Word **DANGER**

Pictograms



### SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Skin corrosion or irritation (Category 1). Causes severe skin burns and eye damage (H314). Do not breathe mist, vapors or spray (P260).

### SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Potassium phosphate monobasic	13761-79-0	$\text{KH}_2\text{PO}_4$	136.09	<20%
Sodium hydroxide	1330-43-4	NaOH	39.997	3%
Methylparaben solution	99-76-3	$\text{C}_8\text{H}_8\text{O}_3$	152.16	0.2%
Water	7732-18-5	$\text{H}_2\text{O}$	18.00	>81%

### SECTION 4 — FIRST AID MEASURES

Immediately call a POISON CENTER or physician (P310).

**If inhaled:** Remove victim to fresh air in a position comfortable for breathing (P304+P340).

**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing (P305+P351+P338). **If on skin (or hair):** Immediately remove all contaminated clothing. Rinse skin with water (P303+P361+P353). Wash contaminated clothing before reuse (P363).

**If swallowed:** Rinse mouth. Do NOT induce vomiting (P301+P330+P331).

### SECTION 5 — FIRE FIGHTING MEASURES

Nonflammable, noncombustible solution.

**In case of fire:** Use a tri-class dry chemical fire extinguisher.

**NFPA CODE**  
None  
established

### SECTION 6 — ACCIDENTAL RELEASE MEASURES

Ventilate area. Contain the spill with sand or absorbent material and deposit in a sealed bag or container. See Sections 8 and 13 for further information.

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**SECTION 7 — HANDLING AND STORAGE**

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Flinn Suggested Chemical Storage Pattern: Inorganic Miscellaneous. Store with other buffers.

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**SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION**

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Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264).  
Exposure guidelines: (as sodium hydroxide) PEL 2 mg/m<sup>3</sup> (OSHA), Ceiling 2 mg/m<sup>3</sup> (ACGIH), IDLH 10 mg/m<sup>3</sup>

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**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

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Clear liquid. Odorless.

pH: 7 when diluted properly.

Dilute prior to use. Dilute 4 mL of concentrate to 100 mL with deionized water.

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**SECTION 10 — STABILITY AND REACTIVITY**

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Avoid heat.

Shelf life: Good, if stored properly.

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**SECTION 11 — TOXICOLOGICAL INFORMATION**

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Acute effects: Eye and skin burns. Mucous membrane irritant.  
pneumonitis.

ORL-RAT LD<sub>50</sub>: 500 mg/kg (as sodium hydroxide)

IHL-RAT LC<sub>50</sub>: N.A.

Chronic effects: N.A.

SKN-RBT LD<sub>50</sub>: 50 mg/24H (as sodium hydroxide)

Target organs: Eyes, skin, respiratory system

N.A. = Not available, not all health aspects of this substance have been fully investigated.

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**SECTION 12 — ECOLOGICAL INFORMATION**

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Data not yet available.

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**SECTION 13 — DISPOSAL CONSIDERATIONS**

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Please review all federal, state and local regulations that may apply before proceeding.

Flinn Suggested Disposal Method #26b is one option.

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**SECTION 14 — TRANSPORT INFORMATION**

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Shipping name: Not regulated. Hazard class: N/A. UN number: N/A.

N/A = Not applicable

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**SECTION 15 — REGULATORY INFORMATION**

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Not listed.

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**SECTION 16 — OTHER INFORMATION**

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Consult your copy of the *Flinn Science Catalog/Reference Manual* for additional information about laboratory chemicals.

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