

**I. PRODUCT IDENTIFICATION: pH 10.01 Buffer Pouch  
Distributed by VWR Scientific Products**

North American Cat. No.: 87000-098  
ECN for EU: 662-1018

PRODUCT USE: Buffer

NFPA RATINGS: HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0

**II. COMPOSITION/INFORMATION ON INGREDIENTS**

COMPONENT		%	LD <sub>50</sub> mg/kg
Sodium Bicarbonate (NaHCO <sub>3</sub> ) CAS NO. 144-55-8		<1	4220 (ORL-RAT)
Sodium Carbonate (Na <sub>2</sub> CO <sub>3</sub> ) CAS NO. 497-19-8		<1	117 (IPR-MUS)
Methyl Paraben (C <sub>8</sub> H <sub>8</sub> O <sub>3</sub> ) CAS NO. 99-76-3		<0.1	3000 (ORL-DOG)
FD & C Blue (C <sub>37</sub> H <sub>34</sub> N <sub>2</sub> O <sub>9</sub> S <sub>3</sub> *2Na) CAS NO. 3844-45-9		<0.01	5.5g/Kg (SEN-RAT) LD <sub>Lo</sub>
Deionized Water CAS NO. 7732-18-5	99		190,000 (IPR-MUS)

**III. HAZARDS IDENTIFICATION**

Low hazard for normal usage.  
Harmful if swallowed. May irritate eyes and skin.  
TARGET ORGANS: Skin.  
ACUTE TOXICITY: Low hazard.  
CHRONIC TOXICITY: May irritate skin after prolonged exposure.  
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Disease of the skin.

**IV. FIRST AID MEASURES**

EYE AND SKIN CONTACT: Wash off with large amounts of water.  
INGESTION: Give large amounts of water. Consult physician.  
INHALATION: Not hazardous

**V. FIRE FIGHTING MEASURES**

FLASH POINT: NA AUTOIGNITION POINT: NA  
FLAMMABILITY LIMITS: UPPER: NA LOWER: NA  
EXTINGUISHING MEDIA: Water, CO<sub>2</sub>, dry chemical or foam.

**VI. ACCIDENTAL RELEASE MEASURES**

Take up with absorbent materials. Place in small containers for disposal. Wash spill site after material pick up is complete.

**VII. HANDLING AND STORAGE**

Always wear eye protection and gloves when working with this product.  
Avoid contact with eyes, skin or clothing. Avoid ingestion.

**VIII. EXPOSURE CONTROLS/ PERSONAL PROTECTION**

OSHA & ACGIH THRESHOLD LIMIT: None listed.  
PROTECTIVE EQUIPMENT: Safety glasses, lab coat and gloves.

**IX. PHYSICAL AND CHEMICAL PROPERTIES**

STATE: Light blue liquid ODOR THRESHOLD: None  
SENSITIVITY TO MECHANICAL IMPACT: None  
SENSITIVITY TO STATIC DISCHARGE: None  
COEFFICIENT OF OIL/WATER DISTRIBUTION: None  
SOLUBILITY IN WATER: Soluble pH: 10.01  
SPECIFIC GRAVITY: 1.0  
BOILING POINT: 100°C MELTING POINT: Not determined  
VAPOR DENSITY: Not determined

**X. STABILITY AND REACTIVITY**

Product is stable. Hazardous polymerization will not occur.  
Incompatibles: NaK alloy, NH<sub>4</sub>H<sub>2</sub>PO<sub>4</sub>, Al, P<sub>2</sub>O<sub>5</sub>, H<sub>2</sub>SO<sub>4</sub>.  
Hazardous decomposition product: CO<sub>2</sub> upon heating.

**XI. TOXICOLOGICAL INFORMATION**

Route of Exposure: May irritate skin. May be harmful if swallowed.  
Teratogen Status: None  
Mutagen Status: None  
Reproductive Toxicity: None  
Carcinogen Status: None

**XII. ECOLOGICAL INFORMATION**

None available.

**XIII. DISPOSAL CONSIDERATIONS**

Dispose of in a manner consistent with Federal, State and Local Regulations.

**XIV. TRANSPORT INFORMATION**

Product is not hazardous for transport.

**XV. REGULATORY INFORMATION**

EUROPEAN INFORMATION:

None

US/ CANADA INFORMATION

SARA/Title III: Not on list.  
Cal. Proposition 65: FD & C Blue is listed.  
US TSCA Inventory: Ingredients are listed.  
CPR Class: None.  
TDG Class: None.  
MSDS discloses elements required by the CPR.

**XVI. OTHER INFORMATION**

THE ABOVE INFORMATION IS BELIEVED TO BE ACCURATE AND REPRESENTS THE BEST INFORMATION CURRENTLY AVAILABLE TO US. ALL PRODUCTS ARE OFFERED IN ACCORDANCE WITH THE MANUFACTURER'S CURRENT PRODUCTION SPECIFICATIONS AND ARE INTENDED SOLELY FOR USE IN ANALYTICAL TESTING. THE MANUFACTURER SHALL IN NO EVENT BE LIABLE FOR ANY INJURY, LOSS OR DAMAGE RESULTING FROM THE HANDLING, USE OR MISUSE OF THESE PRODUCTS.

MSDS prepared by Quality Assurance Group.