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**MATERIAL SAFETY DATA SHEET**

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Revised 2/02/04  
Replaces 8/12/03  
Printed 2/03/04

**P B BUFFER**

**MSDS ID: 03150**

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**I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

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Product Name: P B BUFFER

Product Descriptor: MILD ALKALINITY ADDITIVE

MANUFACTURER: JOHNSON DIVERSEY, INC.

EMERGENCY PHONE NUMBER: (800) 851-7145

3630 E. KEMPER ROAD

CINCINNATI, OH. 45241

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**II. HAZARDOUS COMPONENTS**

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| Component Name            | CAS Number | %       | Exposure Limits  | Units |
|---------------------------|------------|---------|------------------|-------|
| -----                     | -----      | -----   | -----            | ----- |
| SODIUM METASILICATE       | 6834-92-0  | >30%    | None established |       |
| TETRASODIUM PYROPHOSPHATE | 7722-88-5  | 5 - 15% | 5                | MG/M3 |

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**III. HAZARDS IDENTIFICATION**

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**EMERGENCY OVERVIEW:**

**CORROSIVE MATERIAL** - Causes severe burns to skin and eyes. Harmful if swallowed. Do not contact eyes, skin or clothing. Avoid breathing any dust, spray mist or vapors in spill area. Wash thoroughly after handling product. Wear eye protection, clothing and footwear to prevent skin contact.

**POSSIBLE ROUTES OF ENTRY:** Inhalation and ingestion.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

**ACUTE:** EYES: Burns or severe irritation with pain, redness and swelling.  
SKIN: Severe irritation or burns with rash, redness, pain or itching. INGESTION: If swallowed, pain, nausea and vomiting may result. INHALATION: Spray or mist causes severe irritation with pain, choking, and breathing difficulty.

**CHRONIC:** Same as acute effects.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** Dermatitis, sensitive skin, pulmonary function and asthma.

**TARGET ORGAN(S) OF CHEMICAL HAZARD(S):** Eyes, skin and respiratory tract.

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**IV. FIRST AID MEASURES**

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**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. Hold eyelids apart to completely flush all chemicals from entire eye surface. Get immediate medical attention.

**SKIN:** Promptly flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and footwear. Launder contaminated clothing and discard or thoroughly clean shoes before reuse. Get medical attention for painful, red or injured skin areas.

**INGESTION:** If swallowed, rinse mouth with water. Dilute by drinking several glasses of water. DO NOT induce vomiting. If patient vomits, rerinse mouth. Get immediate medical attention. NOTE: Never

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**IV. FIRST AID MEASURES (Cont.)**

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give fluids by mouth to an unconscious person.  
**INHALATION:** If inhaled, move to fresh air. If patient is not breathing, give artificial respiration. If breathing is difficult, give oxygen under the direction of trained personnel or a physician. Get immediate medical attention.

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**V. FIRE FIGHTING MEASURES**

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**FLASH POINT (degrees F):** NONE **FLAME EXTENSION:** N/A  
**FLAMMABLE LIMITS IN AIR BY VOLUME:** LEL: NONE UEL: NONE  
**UNUSUAL FIRE OR EXPLOSIVE HAZARDS:** Toxic fumes or vapor may form during fire.  
**EXTINGUISHING MEDIA:** Water, water spray, CO2, foam or dry powder.  
**FIRE FIGHTING INSTRUCTIONS:** Wear full protective gear and positive pressure breathing apparatus SCBA) in fire area.  
**SPECIAL INSTRUCTIONS:** Spilled product may cause slippery surface and fall hazard.

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**VI. ACCIDENTAL RELEASE MEASURES**

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**IF MATERIAL IS RELEASED OR SPILLED:**  
Contain spilled solids. Wear protective clothing. Sweep or shovel solids or powder into a non-reactive chemical waste container. Dispose of materials in accordance with local, State and Federal regulations. Flush spill area with water.  
This product does not contain a reportable quantity (RQ) under CERCLA.

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**VII. HANDLING AND STORAGE**

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**HANDLING AND STORAGE PRECAUTIONS:** Store in a cool, dry area.

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**VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**EYE/FACE PROTECTION:** Safety glasses with side shields.  
**PROTECTIVE GLOVES:** Alkali resistant.  
**RESPIRATORY PROTECTION:** Product does not have any established exposure limits. NIOSH/MSHA approved respirator recommended in enclosed or confined spaces where high air concentration or long exposure may occur.  
**OTHER PROTECTIVE CLOTHING/EQUIPMENT:** Long sleeved shirt and clothing to cover exposed skin if contact hazard exists. Eyewash and safety shower in area if contact or splash hazard exists.  
**ENGINEERING CONTROLS:**  
**VENTILATION:** Good general ventilation should be sufficient to control airborne levels.

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**IX. PHYSICAL AND CHEMICAL PROPERTIES**

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**APPEARANCE AND ODOR:** Off white powder, no odor.

**BOILING POINT (DEG F):** N/A **FREEZING POINT:** N/A  
**SPECIFIC GRAVITY/BULK DENSITY:** 48 LB/CU FT

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|                                  |                           |
|----------------------------------|---------------------------|
| pH: N/A                          | pH 1% SOLUTION: 12.0-12.5 |
| VOLATILE BY VOLUME: 0            |                           |
| SOLUBILITY IN WATER: Soluble     |                           |
| VAPOR PRESSURE(mmHg): N/A at N/A | VAPOR DENSITY: N/A        |

CHEMICAL STABILITY: Product stable.  
INCOMPATIBILITY WITH OTHER MATERIALS: Acids; Corrosive to aluminum and soft metals. May remove paint and coatings  
HAZARDOUS DECOMPOSITION PRODUCTS: hydrogen gas; Incomplete combustion forms; oxides of carbon; oxides of phosphorus  
HAZARDOUS POLYMERIZATION: None known.

TOXICOLOGICAL TESTING: Toxicological testing has not been performed on the product. Listed below is the available toxicology test data for components of the product.

Acute Oral LD50 (rat) 4100 mg/kg

Toxicological testing has not been performed on the product. Listed below is the available toxicology test data for components of the product.

ENVIRONMENTAL FATE: No data available.

RCRA REGULATED: CONCENTRATED PRODUCT MAY BE CONSIDERED TO BE D002-CORROSIVE, IF DECLARED HAZARDOUS WASTE.

Spent or excess product is hazardous waste. Do not discharge to sewer or environment. Arrange disposal through a licensed disposal company or treat by special Waste Disposal Sheet. Recycle or dispose of containers by product labeling or governmental regulations.

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**XIV. TRANSPORT INFORMATION**

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Please refer to the Bill of Lading/receiving documents for up to date shipping information.

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**XV. REGULATORY INFORMATION**

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U.S. Federal Regulations:

TSCA: All ingredients in this product are on TSCA inventory.

HAPS: NONE

VOC CONTENT (EPA Method 24A): % VOC: 0 Lb/Gal VOC: 0

CERCLA/EPCRA:

Section 313 Toxic Chemicals:

None

SARA Section 311/312:

ACUTE: YES CHRONIC: NO FIRE: NO REACTIVITY: NO

SUDDEN RELEASE OF PRESSURE: NO

LISTED CARCINOGEN: NONE

NTP: NO IARC: NO OSHA: NO

HMIS RATINGS: HEALTH: 3 FIRE: 0 REACTIVITY: 0

PERSONAL PROTECTIVE EQUIPMENT: C

NFPA RATING: HEALTH: 3 FIRE: 0 REACTIVITY: 0 SPECIAL: ALKALINE

STATE RIGHT-TO-KNOW INFORMATION:

TETRASODIUM PYROPHOSPHATE - CAS #7722-88-5

SODIUM METASILICATE - CAS #6834-92-0

SODIUM TRIPOLYPHOSPHATE - CAS #7758-29-4

SODIUM CARBONATE - CAS #497-19-8

CALIFORNIA PROPOSITION 65:

None of the ingredients are on the California proposition 65 list.

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**XVI. OTHER INFORMATION**

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Disclaimer: The information contained in this material safety data sheet is based on the knowledge of this specific product and current national legislation. It applies to the product as sold, use dilutions may be less hazardous. It may not be valid for this material if used in combination with any other materials or in a process. It is the user's responsibility to evaluate the handling, and use.