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**MATERIAL SAFETY DATA SHEET**

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

**ULTREX PBB****MSDS ID: N0433270**

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**I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

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Product Name: ULTREX PBB

Product Descriptor: Water Treatment

MANUFACTURER: JOHNSON DIVERSEY, INC.  
3630 E. KEMPER ROAD  
CINCINNATI, OH. 45241

EMERGENCY PHONE NUMBER: (800) 851-7145

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**II. HAZARDOUS COMPONENTS**

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| Component Name       | CAS Number | %       | Exposure Limits                   | Units          |
|----------------------|------------|---------|-----------------------------------|----------------|
| -----                | -----      | -----   | -----                             | -----          |
| PROPYLENE GLYCOL     | 57-55-6    | 1 - 5%  | None established                  |                |
| SODIUM BROMIDE       | 7647-15-6  | 5 - 15% | None est.                         |                |
| SODIUM TOLYLTRIAZOLE | 64665-57-2 | 5 - 15% | Dust: 10 (ACGIH)<br>and 15 (OSHA) | mg/m3<br>mg/m3 |

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**III. HAZARDS IDENTIFICATION**

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**EMERGENCY OVERVIEW:**

WARNING - Product contains irritating or harmful chemical and solvents. Causes eye and skin irritation or burns, and possible respiratory irritation. May be harmful if swallowed. Do not get in eyes, on skin or clothing. Wear eye protection, rubber gloves, protective clothing and footwear. Wash after handling. Avoid breathing dust, mist, or vapors. Heat and evaporation may release vapors that cause respiratory irritation, dizziness or headache. Wear respiratory protection in enclosed areas.

POSSIBLE ROUTES OF ENTRY: Inhalation and ingestion.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

ACUTE: EYES: Severe irritation with redness, pain and swelling. SKIN: Irritation with dryness or itching may develop with pain and redness. INGESTION: If swallowed, gastric distress, diarrhea, nausea and vomiting may occur. INHALATION: Dust, spray or mists may cause burns or irritation.

CHRONIC: Same as acute effects.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Dermatitis and sensitive skin.

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

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**IV. FIRST AID MEASURES**

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EYES: Immediately flush eyes with plenty of water for 15 minutes. Get medical attention.

SKIN: Flush thoroughly with plenty of water. Wash with mild soap and water. Remove contaminated clothes and shoes and clean before reuse. Get medical attention for any painful, red or injured

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

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skin.  
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 give fluids by mouth to an unconscious person.  
INHALATION: Remove to fresh air and seek medical attention.

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**V. FIRE FIGHTING MEASURES**

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FLASH POINT (degrees F): N/A FLAME EXTENSION: N/A  
FLAMMABLE LIMITS IN AIR BY VOLUME: LEL: N/A UEL: N/A  
UNUSUAL FIRE OR EXPLOSIVE HAZARDS: Toxic fumes or vapor may form during fire.  
EXTINGUISHING MEDIA: 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:  
Flush small amounts to drain. Collect and return large amounts to container.  
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, keep away from acids. Keep container closed when not in use. Wear protective gear when handling or using. Do not pressurize container to empty.

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**VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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EYE/FACE PROTECTION: Safety glasses with side shields. Chemical goggles if contact or splash hazard exists.  
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: Normal room 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 with slightly sweet odor.

|                                               |                             |
|-----------------------------------------------|-----------------------------|
| <b>BOILING POINT (DEG F):</b> N/A             | <b>FREEZING POINT:</b> N/A  |
| <b>SPECIFIC GRAVITY/BULK DENSITY:</b> 0.5     |                             |
| <b>pH:</b> N/A                                | <b>pH 1% SOLUTION:</b> 11.2 |
| <b>VOLATILE BY VOLUME:</b> 5                  |                             |
| <b>SOLUBILITY IN WATER:</b> Partially Soluble |                             |
| <b>VAPOR PRESSURE(mmHg):</b> N/A at N/A       | <b>VAPOR DENSITY:</b> N/A   |

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**X. STABILITY AND REACTIVITY**

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**CHEMICAL STABILITY:** Product stable.  
**INCOMPATIBILITY WITH OTHER MATERIALS:** Acids  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Incomplete combustion forms; oxides of carbon; oxides of nitrogen; hydrogen bromide and/or bromine; hydrogen gas  
**HAZARDOUS POLYMERIZATION:** None known.

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**XI. TOXICOLOGICAL INFORMATION**

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

**TOXICITY TEST DATA:**  
**Sodium Tolyltriazole:**

Acute Oral LD50 (rat) - 920 mg/kg (male)  
Acute Oral LD50 (rat) - 640 mg/kg (female)

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**XII. ECOLOGICAL INFORMATION**

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

**Sodium tolytriazole**  
**96 Hr. LC50:** Bluegill sunfish - 191.2 mg/L  
Rainbow trout - 23.7 mg/L

**ENVIRONMENTAL FATE:** No data available.

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**XIII. DISPOSAL CONSIDERATIONS**

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**RCRA REGULATED:** Not Regulated.  
Adjust pH of diluted product and discharge to industrial sewer in accordance with discharge permit or local POTW regulations. Use product in container until empty. Triple rinse container with water and add to process. Recycle or dispose of container according to product labeling or Federal, State or local 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: 4.08 Lb/Gal VOC: 0.169

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 KNOWN

NTP: NO IARC: NO OSHA: NO

HMIS RATINGS: HEALTH: 2 FIRE: 0 REACTIVITY: 0

PERSONAL PROTECTIVE EQUIPMENT: B

NFPA RATING: HEALTH: 2 FIRE: 0 REACTIVITY: 0 SPECIAL: NONE

STATE RIGHT-TO-KNOW INFORMATION:

POLYACRYLIC ACID - CAS #9003-01-4

HYDROXY ALKYL DIPHOSPHONATE, TETRA SODIUM SALT - CAS #40372-61-5

SODIUM BROMIDE - CAS #7647-15-6

PROPYLENE GLYCOL - CAS #57-55-9

SODIUM TOLYTRIAZOLE - CAS #64665-57-2

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.