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## MATERIAL SAFETY DATA SHEET

DATE OF ISSUE: 03/17/2002

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### SECTION I: PRODUCT & COMPANY IDENTIFICATION

**PRODUCT NAME:** PTB-25  
**PRODUCT CLASS:** PRECIPITANT  
**FREIGHT CLASSIFICATION:** 60  
**PRIMARY CHEMICAL FAMILY:** Organic Sulfur  
**CHEMICAL NAME:** Hydropolysulfide, carbonothioylbis-,disodium salt. CAS# 128578-22-3  
**HMIS RATINGS:** Health=1, Flammability=0, Reactivity=0

**MANUFACTURER:** Ecologix Environmental Systems, LLC  
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### SECTION II: COMPOSITION/INFORMATION ON INGREDIENTS

| INGREDIENT                                      | CAS # | ACGIH TLV | % by Weight (PPM) |
|---|-------|-----------|-------------------|
| Proprietary blend of non-hazardous ingredients. |       |           |                   |

### SECTION III: PHYSICAL/CHEMICAL DATA

**BOILING POINT:** 212° F.  
**SPECIFIC GRAVITY:** 1.140 - 1.150  
**EVAPORATION RATE:** Not Determined  
**VAPOR DENSITY:** Not Determined  
**VAPOR PRESSURE:** Not Determined  
**SOLUBILITY IN WATER:** Complete  
**pH of NEAT SOLUTION:** 12.0-12.5  
**APPEARANCE/ODOR:** Red Liquid, Slight Odor

### SECTION IV: FIRE AND EXPLOSION DATA

**FLASH POINT:** Not Applicable - water solution  
**EXTINGUISHING MEDIA:** Not Applicable - water solution  
**SPECIAL FIRE FIGHTING PROCEDURES:** None  
**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None

### SECTION V: HEALTH HAZARD DATA EFFECTS OF OVEREXPOSURE - EMERGENCY & FIRST AID PROCEDURES

**EYES:** May cause irritation and redness and burning. Flush eyes gently with water for at least 15 minutes while holding eyelids apart. Seek medical attention immediately.  
**SKIN:** May cause irritation and burns. Remove contaminated clothing and shoes and flush affected area with water for at least 15 minutes. Wash with soap and water. If irritation persists seek medical attention. Wash or discard contaminated clothing and shoes.  
**INGESTION:** Immediately rinse mouth with water. Do not induce vomiting. Drink milk or water to dilute. If vomiting occurs, drink more liquids. Seek medical attention.  
**INHALATION:** Mist or spray may cause irritation if inhaled. If respiratory distress occurs, get into fresh air and, if needed, administer oxygen and start CPR. Seek medical attention.  
**CHRONIC EFFECTS AND MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:** Irritation to respiratory passages.  
**SPECIAL NOTE:** The components in this product are not considered a carcinogen by OSHA, NTP or IARC.

## SECTION VI: REACTIVITY DATA

**STABILITY:** Stable

**HAZARDOUS POLYMERIZATION:** Will not occur.

**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong oxidizing agents or mineral acids

**HAZARDOUS DECOMPOSITION PRODUCTS:** None known.

## SECTION VII: TOXICOLOGICAL INFORMATION

The following are LC<sub>50</sub> values from 48-hour static acute toxicity tests:

|                                      |          |
|--------------------------------------|----------|
| Daphnia Magna (water flea)           | 56.0 ppm |
| Pimephales Promelas (fathead minnow) | 15.8 ppm |

## SECTION VIII: SPILL, LEAK, AND DISPOSAL PROCEDURES

**SMALL SPILLS:** Soak up with an absorbent and shovel into waste container.

**LARGE SPILLS:** Contain spill and recover liquid for reprocessing or disposal.

**WASTE DISPOSAL METHOD:** Dispose of in accordance with local, state and federal regulations.

## SECTION IX: PROTECTIVE MEASURES

**EYE PROTECTION:** Wear chemical splash-proof goggles

**PROTECTIVE GLOVES:** Wear alkaline resistant gloves.

**RESPIRATORY PROTECTION:** None normally required.

**VENTILATION:** Always store and use all chemicals in well-ventilated areas.

**OTHER PROTECTIVE EQUIPMENT:** Wear protective clothing and boots suitable for protection from alkaline products. Provide eyewash and safety shower stations.

## SECTION X: SPECIAL PRECAUTIONS

**HANDLING AND STORAGE:** Protect drum from damage, freezing and intense heat.

**OTHER PRECAUTIONS:** Wear protective eye goggles, gloves, boots and clothing.

## SECTION XI: REGULATORY INFORMATION

### FEDERAL EPA

#### **Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA):**

Requires notification to the National Response Center of releases of quantities of Hazardous Substances equal to or greater than the reportable quantities (RQ) in 40 CFR 302.4. Components present in this product at a level which would require reporting under the statute are:

| <u>Chemical</u> | <u>CAS Number</u> | <u>RQ</u> |
|-----------------|-------------------|-----------|
| None            |                   |           |

#### **Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III:**

Requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQ) in 40 CFR 355 (SARA 302, 304, 311 and 312) Components present in this product at a level which could require reporting under the statute are: NONE

#### **Toxic Substances Control Act (TSCA) Status:**

All components of this product are on the TSCA inventory

**EPA Priority Pollutants:** NONE

**RCRA Hazard Class:** If discarded - non-hazardous.

## OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.