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PHOENIX PRODUCTS CO. PRODUCT NAME: CENTRAL PH DECREASE MATERIAL
55 CONTAINER DRIVE PH DOWN SAFETY DATA
TERRYVILLE CT. SHEET
06786 (860) 589-7502 4/28/02

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SECTION I - IDENTIFICATION

CHEMICAL NAME & SYNONYMS: Sodium Bisulfate, Anhydrous Grainular, Technical
CHEMICAL FAMILY: Dry Acid
CHEMICAL FORMULA: NaHSO₄
TRADE NAME: pH Down and Private Label (Central PH Decrease)
DESCRIPTION: Off-white, beadlike, granular dry material
CAS NO: 7681-38-1
HMIS HAZARD RATING: Health Hazard: 1 Fire Hazard: 0 Reactivity: 1

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SECTION II - PHYSICAL DATA

Boiling Point: N/A **Melting Point:** 350°F
Bulk Density: (lb./cu. ft.) 83 **Vapor Pressure:** N/A
% Volatile by Volume: Non-Volatile **Vapor Density:** N/A
Solubility in water: 100% **Evaporation Rate:** N/A

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SECTION III - FIRE AND EXPLOSION HAZARD DATA

Flash Point: N/A **Autoignition Temp:** N/A
Flammable Limits in Air % By Volume: N/A
Extinguishing Media: Water or dry chemical as appropriate for combustibles in area. Avoid water contact to material if possible.
Special Fire Fighting Procedures: If water is used to extinguish combustibles and product is dissolved in water forming sulfuric acid wear acid protective equipment. If elevated temperatures >570°F are reached, self contained breathing apparatus should be worn.
Unusual Fire and Explosion Hazards: Product readily dissolves in water to form a weak sulfuric acid solution. No gases or toxic fumes are emitted from this reaction, but precautions for exposure to sulfuric acid should be followed.

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SECTION IV - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE:
Inhalation: Irritant. May irritate or burn nose, throat and lungs.
Skin: Moderate irritant. Contact may cause burns if not flushed with water.
Eye: Mild to severe irritant. Contact may cause burns if not flushed with water.
Ingestion: Irritant. May burn mouth, esophagus or stomach.
OSHA HAZARD COMMUNICATIONS HEALTH HAZARD CLASSIFICATION: IRRITANT
SECTION 312 OF SARA TITLE III HAZARD CATEGORY: IMMEDIATE

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SECTION V - EMERGENCY AND FIRST AID PROCEDURE

INHALATION: If person experiences nausea, headache or dizziness, person should move to fresh air until these symptoms disappear. If irritation or discomfort persists seek medical attention. **Note to physician:** Mild burning sensation may occur to mucous membranes and upper respiratory tract.
SKIN: Immediately flush with water for 15 minutes. If burns occur, consult a physician. **Note to physician:** Mild burns may occur if not thoroughly flushed previously.
EYES: Immediately flush with water for 15 minutes occasionally lifting eyelids. Get prompt medical attention. **Note to physician:** Natural watering of eyes will dissolve sodium bisulfate, forming a weak

sulfuric acid solution which may cause burns. Flush affected area thoroughly with water. Do not use chemical antidotes or neutralizing solutions.

INGESTION: Immediately drink large quantities of water or milk. Follow with milk of magnesia, beaten eggs, or vegetable oil. DO NOT induce vomiting. Consult a physician immediately **Note to physician:** Body water content will react with sodium bisulfate to form a weak sulfuric acid solution, which may burn tissues in mouth, esophagus or stomach. Solution should be diluted to reduce burning effect.

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CHEMICAL NAME:

Sodium Bisulfate

TRADE NAME: pH Down and private label

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SECTION VI - REACTIVITY DATA

Stability: Stable

Conditions to Avoid: Avoid moisture in storage areas. Keep dry.

Incompatibility (materials to avoid): Avoid contact with strong alkaline (caustic) materials. Reacts with water to form weak sulfuric acid solution. DO NOT mix with liquid chlorine bleach, ammonia cleansers or similar products.

Hazardous Decomposition: None, unless heated over 570°F, at which sulfur dioxide and sulfur trioxide are formed.

Hazardous Polymerization: Will not occur.

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SECTION VII - SPILL, LEAKAGE & DISPOSAL PROCEDURES

Steps to take if material leaks or spills: Sweep up as much as possible with shovel. Neutralize balance of spill with alkaline solution and wash down to sewer if Federal, State and Local regulations permits.

Waste disposal method: Comply with all Federal, State and Local regulations.

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SECTION VIII - SPECIAL PROTECTION DATA

Respiratory Protection: While handling product use a NIOSH approved respirator.

Ventilation: Local ventilation to a dust collector is recommended.

Protective Gloves: Wear acid resistant gloves such as rubber, plastic or neoprene.

Eye Protection: Goggles or full face shield -if severe dusting occurs. DO NOT wear contact lens when handling this product.

Other Equipment: Clothes should completely cover skin to avoid skin contact. Coats, coveralls or aprons are recommended.

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SECTION IX - SPECIAL PRECAUTIONS DATA

Handling and Storage: Avoid extreme heat. Store in a cool dry area, away from alkalizes. Keep containers closed tightly. Wear all recommended protective equipment when handling this product.

Other: Personnel handling this product should be aware of the nearest eye wash and shower stations are located.

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SECTION X - TRANSPORTATION INFORMATION

This product is not a hazardous material and is not regulated by the D.O.T.

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The information herein is given in good faith but no warranty, expressed or implied, is made.

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