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PHOENIX PRODUCTS CO..
55 CONTAINER DR
TERRYVILLE, CT 06786
(860 589-7502

PRODUCT NAME: BUFFER PLUS
AND PRIVATE LABEL

MATERIAL
SAFETY DATA
SHEET
02/25/02

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SECTION I - IDENTIFICATION

CHEMICAL NAME & SYNONYMS: Sodium Bicarbonate
CHEMICAL FORMULA: NaHCO₃
TRADE NAME: Buffer Plus, and Private Label
DESCRIPTION: Inorganic Salt. White crystalline powder with no odor.
CAS NO: 144-55-8

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SECTION II - PHYSICAL DATA

Boiling Point: Decomposes
Specific Gravity (H₂O=1): 2.16 @ 20°C
Vapor Pressure: N/A
% Solubility in water: 8.8 @ 20°C
Melting Point: Loses CO₂ at 270°C
Evaporation Rate: N/A
Vapor Density: N/A
Bulk Density (lb./cu. ft): 53

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SECTION III - HAZARDOUS INGREDIENTS

MATERIAL	CAS NO.	% BY WEIGHT	HAZARD DATA
Sodium Bicarbonate	144-55-8	100	Mild irritant to eye and skin.

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SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: N/A
Flammable Limits in Air % By Volume: N/A
Extinguishing Media: N/A
Special Fire Fighting Procedures: None
Unusual Fire and Explosion Hazards: None
Autoignition Temp: N/A

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SECTION V - HEALTH HAZARD DATA EFFECTS OF OVEREXPOSURE:

Inhalation: Breathing or respiratory disorders will be aggravated by exposure to chemical.

Skin: Irritation and redness.

Eye: Irritation or redness.

Ingestion: Irritation.

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SECTION VI - EMERGENCY AND FIRST AID PROCEDURE

INHALATION: Remove to fresh air.

SKIN: Flush skin with water and then wash thoroughly.

EYE: Immediately flush eyes with plenty of water for at least 15 minutes. Consult a physician.
INGESTION: If swallowed, induce vomiting immediately by giving two glasses of water and touching finger to back of throat. Never give anything by mouth to an unconscious person. Consult a physician.

CHEMICAL NAME:
Sodium Bicarbonate

TRADE NAME: Buffer Plus and Private
Label

***SECTION VII - TOXICOLOGY**

Oral - (infant)LDLo: 1260 mg/kg
(rat) LD₅₀: 4220 mg/kg

Skin Irritant (rabbit): 30 mg/3 days - mil **Oral -**

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SECTION VIII - REACTIVITY DATA

Stability: Stable in dry air. In moist air forms sodium carbonate, an irritant.

Conditions to Avoid: Exposure to incompatible materials and heat.

Incompatibility (materials to avoid): Acids, monoammonium phosphate, aluminum and phosphorus pentoxide.

Hazardous Decomposition: Decomposes when exposed to high heat, releasing carbon dioxide (CO₂). Carbon dioxide is an asphyxiant and may affect respiration rate or interfere with breathing.

Hazardous Polymerization: Will not occur.

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SECTION IX - SPILL, LEAKAGE & DISPOSAL PROCEDURES

Steps to take if material leaks or spills: Shovel or sweep up and place in container for disposal.
Water Spill: Disperse with water jets, propellers or similar devices.

Waste disposal method: Dispose of as an industrial waste or wash to an industrial sewer as permitted by all Federal, State and Local regulations.

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SECTION X - SPECIAL PROTECTION DATA

Ventilation: Use general dilution and local exhaust techniques to meet nuisance dust exposure limit.

Respiratory Protection: Use an NIOSH approved dust respirator.

Protective Gloves: Rubber, neoprene or similar materials that will not allow alkaline solutions to penetrate.

Eye Protection: Safety glasses or safety goggles.

Other Equipment: Easily washable clothing. Wash clothing before reuse.

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SECTION XI - SPECIAL PRECAUTIONS DATA

Handling and Storage: Avoid contact with eyes, skin and clothing. Avoid breathing dust. Store in cool, dry area away from acids.

Other: Wash thoroughly after handling material.

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SECTION XII - 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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THE PHOENIX PRODUCTS COMPANY.
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