



PRODUCT NAME: pH & ALKALINITY INCREASE
Revision date: 6/15/2013

SECTION 1 IDENTIFICATION

Supplier: Phoenix Product Company 55 Container Drive Terryville, CT 06786 (860) 589-7502	Distributor: ESSENTIALS 5070 Wallace Drive Cumming, GA 30041 (626) 305-1182
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U.S. PERS Emergency Telephone 1-800-633-8253

SECTION 2 COMPOSITION, INFORMATION ON INGREDIENTS

<u>Chemical or Common Name:</u>	<u>CAS #</u>
Sodium Bicarbonate	144-55-8

SECTION 3 HAZARDS IDENTIFICATION

Health Rating: 0 - None
Flammability Rating: 0 - None
Reactivity Rating: 1 - Slight
Contact Rating: 1 - Slight
Lab Protective Equip: goggles; lab coat

Potential Health Effects:

Inhalation:

High concentrations of dust may cause coughing and sneezing.

Ingestion:

Extremely large oral doses may cause gastrointestinal disturbances.

Skin Contact:

No adverse effects expected.

Eye Contact:

Contact may cause mild irritation, redness, and pain.

Chronic Exposure:

No information found.

SECTION 4 FIRST-AID MEASURES

Inhalation:

Remove to fresh air. Get medical attention for any breathing difficulty.

Ingestion:

Give several glasses of water to drink to dilute. If large amounts were swallowed, get medical advice.

Skin Contact:

Not expected to require first aid measures.

Eye Contact:

Wash thoroughly with running water. Get medical advice if irritation develops.

SECTION 5 **FIRE FIGHTING MEASURES**

Fire:

Not considered to be a fire hazard.

Explosion:

Not considered to be an explosion hazard.

Fire Extinguishing Media:

Use any means suitable for extinguishing surrounding fire.

Special Information:

Use protective clothing and breathing equipment appropriate for the surrounding fire.

SECTION 6 **ACCIDENTAL RELEASE MEASURES**

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal. Small amounts of residue may be flushed to sewer with plenty of water.

SECTION 7 **HANDLING AND STORAGE**

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

SECTION 8 **EXPOSURE CONTROLS/PERSONAL PROTECTION**

Ventilation System:

In general, dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.

Personal Respirators (NIOSH Approved):

For conditions of use where exposure to the dust or mist is apparent, a half-face dust/mist respirator may be worn. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator. **WARNING:** Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection:

Wear protective gloves and clean body-covering clothing.

Eye Protection:

Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White crystalline powder.
Odor: Odorless.
Solubility: 7.8g/100g water @ 18°C (64°F).
Density: 2.2
pH: 8.3 (0.1 molar @ 25°C (77F))
% Volatiles by volume @ 21°C (70°F): 0
Boiling Point: Not applicable.
Melting Point: 60°C (140°F)
Vapor Density (Air=1): No information found.
Vapor Pressure (mm Hg): No information found.
Evaporation Rate (BuAc=1): No information found.

SECTION 10 STABILITY AND REACTIVITY

Stability:
 Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products:
 Gaseous carbon dioxide.

Hazardous Polymerization:
 Will not occur.

Incompatibilities:
 Reacts with acids to form carbon dioxide. Dangerous reaction with monoammonium phosphate or a sodium-potassium alloy.

Conditions to Avoid:
 Heat, moisture, incompatibles.

SECTION 11 TOXICOLOGICAL INFORMATION

Investigated as a mutagen, reproductive effector. Oral rat LD50: 4220 mg/kg.
 Irritation data: human, skin, 30mg/3D-I mild, rabbit, eye, 100 mg/30 S, mild.

Ingredient	NTP Known	Carcinogen Anticipated	IARC Category
Sodium Bicarbonate (144-55-8)	No	No	None



SECTION 12 *ECOLOGICAL INFORMATION*

Environmental Fate:

No information found.

Environmental Toxicity:

No information found.

SECTION 13 *DISPOSAL CONSIDERATIONS*

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

SECTION 14 *TRANSPORTATION DATA*

Not Regulated

SECTION 15 *REGULATORY INFORMATION*

Sara Title Hazard Classes:

Fire Hazard: No

Reactive Hazard: No

Release of Pressure: No

Chronic health Hazard: No

TSCA: All ingredients of this product are listed on the TSCA Inventory

OSHA: TWA: 5 mg/cu m

EPA Hazardous Waste: No

This product does not contain any components that are regulated under California Proposition 65.

SECTION 16 *ADDITIONAL INFORMATION*

NFPA Ratings: Health: 1 Flammability: 0 Reactivity: 0

No representations or warranties, either expressed or implied, of merchant ability, fitness for a particular purpose or any other nature are made hereunder with respect to information or the product to which information refers.