



SAFETY DATA SHEET  
Liquid pH Up - 0130

**Product Name:** Liquid pH Up  
**Date:** 8/6/2015

SECTION 1 **IDENTIFICATION**

**Supplier:** Phoenix Products Company  
55 Container Drive  
Terryville, CT 06786  
(860) 589-7502

**Distributor:**

**U.S. PERS Emergency Telephone:** 1-800-633-8253

**Product Name:** Liquid pH Up

**Synonyms:** Not Available.

**Chemical Name:** Sodium Carbonate

**Chemical Formula:** Na<sub>2</sub>CO<sub>3</sub>

**CAS Number:** 497-19-8

**Product Use:** Increases pH in spa and hot tub water. Eliminates eye irritation, chlorine odor, and corrosion caused by low pH levels.

SECTION 2 **HAZARDS IDENTIFICATION**

**Emergency Overview**

**OSHA Regulatory Status:** This product is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122). Not a dangerous mixture according to the Globally Harmonized System (GHS).

**Potential Acute Health Effects:** Hazardous in case of skin contact (irritant), of eye contact (irritant). Slightly hazardous in case of ingestion.

**Potential Chronic Health Effects:** Slightly hazardous in case of skin contact (sensitizer).

**Carcinogenic Effects:** Not available.

**Mutagenic Effects:** Not available.

**Teratogenic Effects:** Not available.

**Developmental Toxicity:** Not available. Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

SECTION 3 **COMPOSITION, INFORMATION ON INGREDIENTS**

<u>Component</u>	<u>CAS Number</u>	<u>Percent</u>
Sodium Carbonate	497-19-8	15%-40%

SECTION 4 **FIRST-AID MEASURES**

**Eye Contact:** Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.

**Skin Contact:** Immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.



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**Ingestion:** Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

SECTION 5 **FIRE FIGHTING MEASURES**

**Flammability of the Product:** Non-flammable.

**Auto-Ignition Temperature:** Not applicable.

**Flash Points:** Not applicable.

**Flammable Limits:** Not applicable.

**Products of Combustion:** Emits  $\text{Na}_2\text{O}$  fumes when heated to decomposition.

**Fire Hazards in Presence of Various Substances:** Not applicable.

**Explosion Hazards in Presence of Various Substances:** Non-explosive in presence of open flames and sparks, of shocks.

**Fire Fighting Media and Instructions:** Not applicable.

**Special Remarks on Fire Hazards:** Sodium carbonate can ignite and burn fiercely in contact with fluoride. Sodium Carbonate in contact with fluorine decomposed at ordinary temperature with incandescence.

**Special Remarks on Explosion Hazards:** Reacts explosively with red-hot aluminum metal. Sodium carbonate + ammonia in arabic gum solution will explode.

SECTION 6 **ACCIDENTAL RELEASE MEASURES**

**Small Spill:** Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. If necessary: Neutralize the residue with a dilute solution of acetic acid. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

**Large Spill:** Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. Neutralize the residue with a dilute solution of acetic acid. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

SECTION 7 **HANDLING AND STORAGE**

**Precautions:** Do not ingest. Do not breathe gas/fumes/vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as acids.

**Storage:** Keep container tightly closed. Keep container in a cool, well-ventilated area.



SECTION 8 **EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Limits:** No exposure standards allocated.

**Engineering Controls:** Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

**Personal Protection:** Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

**Personal Protection in Case of a Large Spill:** Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

SECTION 9 **PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Clear Liquid
<b>Odor:</b>	Odorless
<b>pH (1% soln/water):</b>	Basic.
<b>Boiling Point:</b>	The lowest known value is 100°C (212°F) (Water).
<b>Melting Point:</b>	Not available.
<b>Critical Temperature:</b>	Not available.
<b>Specific Gravity:</b>	Weighted average: 1.06 (Water = 1)
<b>Vapor Pressure:</b>	The highest known value is 2.3 kPa (@ 20°C) (Water).
<b>Vapor Density:</b>	The highest known value is 0.62 (Air = 1) (Water).
<b>Volatility:</b>	Not available.
<b>Odor Threshold:</b>	Not available.
<b>Water/Oil Dist. Coeff.:</b>	Not available.
<b>Ionicity (in Water):</b>	Not available.
<b>Dispersion Properties:</b>	See solubility in water.
<b>Solubility:</b>	Easily soluble in cold water, hot water. Insoluble in acetone.

SECTION 10 **STABILITY AND REACTIVITY**

**Stability:** This product is stable.

**Instability Temperature:** Not available.

**Conditions of Instability:** Incompatible materials.

**Incompatibility with various substances:** Slightly reactive with acids.

**Corrosivity:** Non-corrosive in presence of glass.

**Special Remarks on Reactivity:** Hygroscopic. Combines with water with evolution of heat. Incompatible with phosphorus pentoxide, lithium, fluorine, fluoride, ammonia + silver nitrate, 2,4,6-trinitrotoluene, ammonia, acids, sodium sulfide + water, hydrogen peroxide, red hot aluminum metal, sodium sulfide, zinc, calcium hydroxide. Acids decompose Sodium Carbonate with effervescence. Reacts violently with F<sub>2</sub>, Lithium, and 2,4,6-trinitrotoluene. Sodium begins to decompose at 400°C to evolve CO<sub>2</sub>.

**Special Remarks on Corrosivity:** Hot concentrated solutions of sodium carbonate are mildly corrosive to steel.

**Polymerization:** Will not occur.



SECTION 11 **TOXICOLOGICAL INFORMATION**

**Routes of Entry:** Absorbed through skin. Eye contact.

**Toxicity to Animals:** Acute oral toxicity (LD50): 40900 mg/kg (Rat) (Calculated value for the mixture).

**Toxic Effects on Humans:** Hazardous in case of skin contact (irritant). Slightly hazardous in case of ingestion or inhalation.

**Special Remarks on Toxicity to Animals:** LDL (Lowest Published Lethal Dose) [Man] - Route: Oral; Dose: 714 mg/kg

**Special Remarks on Chronic Effects on Humans:** May cause adverse reproductive effects based on animal test data

SECTION 11 **TOXICOLOGICAL INFORMATION - Continued**

**Acute Potential Health Effects**

**Skin:** Causes skin irritation

**Eyes:** Causes eye irritation.

**Ingestion:** May cause irritation of the digestive tract resulting in nausea, vomiting, diarrhea, thirst, abdominal pain depending on concentration and amount ingested. May also affect the cardiovascular system.

**Inhalation:** Vapor may cause respiratory tract and mucous membrane irritation with coughing and shortness of breath (dyspnea), pulmonary edema.

SECTION 12 **ECOLOGICAL INFORMATION**

**Ecotoxicity:** Not available.

**BOD5 and COD:** Not available.

**Products of Biodegradation:** Possibly hazardous short term degradation products are not likely. However, long-term degradation products may arise.

**Toxicity of the Products of Biodegradation:** The products of degradation are less toxic than the product itself.

**Special Remarks on the Products of Biodegradation:** Not available.

SECTION 13 **DISPOSAL CONSIDERATIONS**

**Waste Disposal:** Waste must be disposed of in accordance with federal, state and local environmental control regulations.



SECTION 14 **TRANSPORTATION DATA**

**DOT:** Not Regulated  
**TDG:** Not Regulated  
**MEX:** Not Regulated  
**IMDG:** Not Regulated  
**IATA:** Not Regulated

SECTION 15 **REGULATORY INFORMATION**

**Federal and State Regulations:** TSCA 8(b) inventory: Sodium carbonate; Water

**Other Regulations:** EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

**Other Classifications**

**WHMIS (Canada):** Not controlled under WHMIS (Canada).

**DSCL (EEC):** This product is not classified according to the EU regulations. Not applicable.

SECTION 15 **REGULATORY INFORMATION - Continued**

**HMIS (U.S.A.):**

**Health Hazard:** 2  
**Fire Hazard:** 0  
**Reactivity:** 0  
**Personal Protection:** h

**National Fire Protection Association (U.S.A.):**

**Health:** 2  
**Flammability:** 0  
**Reactivity:** 0  
**Specific hazard:**

**Protective Equipment:** Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Splash goggles.

SECTION 16 **ADDITIONAL INFORMATION**

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.

Date: 8/6/2015  
Phoenix Products Company