


1. PRODUCT IDENTIFICATION

Product Name: PH PLUS
 Synonym(s): Sodium Carbonate, Soda Ash, Disodium Carbonate
 Recommended Uses: pH Increaser for Pools and Spas
 SDS Reference: 94

Company Information: ALLCHEM PERFORMANCE PRODUCTS, INC. Distributed By: POOLBLU ENTERPRISES, INC
 6010 NW FIRST PLACE P.O. BOX 751
 GAINESVILLE, FL 32607 LAKE GENEVA WI 53147
 Tel: 352-378-9696
 24 HOUR EMERGENCY NUMBER: INFOTRAC (TRANSPORTATION): 1-800-535-5053

2. HAZARD(S) IDENTIFICATION

Classification: EYE IRRITANT 

Signal Word: WARNING

Hazard Statements: HEALTH HAZARDS:
 Causes serious eye irritation - Category 2A - H319

Precautionary Statements: Wear eye protection and face protection. Wash skin thoroughly after handling.

Eye Contact: Rinse eyes cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, obtain medical advice/attention.

Skin Contact: Not irritating to skin.

Inhalation: After inhalation of dust, it may cause slight irritation; dry/sore throat and/or coughing.

Ingestion: After absorption of high quantities, nausea, abdominal pain and/or irritation of gastric/intestinal mucosa may occur.

3. COMPOSITION

	PERCENT %	CAS #
Chemical Name: Sodium Carbonate	>99	497-19-8

4. FIRST AID

If In Eyes: Rinse immediately with plenty of water. Do not apply neutralizing agents. Take victim to an ophthalmologist if irritation persists.

If on Skin or Clothing: Rinse with water. Soap may be used. Do not apply (chemical) neutralizing agents. Take victim to a doctor if irritation persists.

If Inhaled: Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.

If Swallowed: Rinse mouth with water. Immediately after ingestion: give lots of water to drink. Do not induce vomiting. If symptoms occur, get medical attention.

Most important symptoms and effects, both acute and delayed: Inhalation: Dry/sore throat. Coughing. Slight irritation. Exposure to high concentrations: Irritation of the respiratory tract. Irritation of the nasal mucous membranes. Respiratory difficulties. Skin contact: Prolonged skin contact may cause irritation. Eye contact: Inflammation/damage of the eye tissue. Corrosion of the eye tissue. Lacrimation. Ingestion: Nausea. Vomiting. Abdominal pain. Irritation of the gastric/intestinal mucosa. Treat symptomatically.

Note: Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

5. FIREFIGHTING MEASURES

Suitable / Unsuitable: Use extinguishing agent suitable for type of surrounding fire.

Extinguishing Media:

Specific Hazards from Chemical: Fumes of sodium oxide. Carbon oxides.

Special Protective Equipment: Wear self-contained breathing apparatus and use personal protective equipment.

Other Information: No data available

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see Section 8.

Environmental Precautions: Contain released substance. Do not release into surface water or sanitary sewer systems. Violent exothermic

reaction with some acids releasing harmful gases (carbon dioxide).
 Methods and Materials for cleanup: Prevent dust cloud formation. Scoop solid spill material into closed containers. Carefully collect the spill. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin and eyes. Use air conveying/mechanical systems for bulk transfer to storage. Provide appropriate exhaust ventilation at places where dust is formed. In case of insufficient ventilation, wear suitable respiratory equipment if release of airborne dust is expected.

Storage: Store in original container. Keep in properly labeled containers. Keep container tightly closed. Store away from aluminum, powdered aluminum and acids.

8. EXPOSURE CONTROLS / PERSONAL PROTECTIONS

OSHA permissible exposure limit: This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies. Local nuisance dust standards apply.

Appropriate Engineering Controls: Where practical, provide general mechanical and/or local exhaust ventilation to prevent release of airborne dust into the work environment. An eye wash facility should be provided in storage and general work areas.

Individual Protection Measures:
 Eyes and Face: For dusty or misty conditions, or when handling solutions where there is reasonable probability of eye contact, wear chemical safety goggles. Under these conditions do not wear contact lenses. Otherwise, appropriate ANZI approved eye and face protection equipment should be selected for the particular use intended for this material. Safety glasses with side shields are recommended.
 Skin and Body: Wear suitable protective clothing. Protective shoes or boots. Wear impervious gloves when handling solutions (rubber, neoprene).
 Respiratory: In cases of inadequate ventilation, wear respirators and components approved by government bodies like NIOSH/MSHA or EU CEN.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid
Color:	White
Odor:	Odorless
Melting Point/Freezing Point:	854°C
Initial Boiling Point/Boiling Range:	No data available
Flammability (solid/gas):	Non combustible
Upper/lower Flammability or Exposure limits:	Non combustible
Flash Point:	No data available
Auto-ignition Temperature:	No data available
Decomposition Temperature:	400°C
pH:	11.6 @ 5.0%
Viscosity:	No data available
Solubility(ies):	212.5 g/l @ 20°C
Partition Coefficient: n-octanol/water:	No data available
Vapor Pressure:	No data available
Density:	0.9 - 1.1 g/l (dense grade)
Vapor Density:	Not Applicable
Particle Characteristics:	No data available

10. STABILITY AND REACTIVITY

Stability/Reactivity: Stable. Decomposes by reaction with strong acid.

Possibilities of Hazardous Reactions: None under normal processing.

Conditions to Avoid: Exposure to air or moisture over prolonged periods.

Incompatible Materials: Aluminum, powdered aluminum and acids.

Hazardous Decomposition Materials: Sodium Oxides, Carbon oxides

11. TOXICOLOGICAL INFORMATION

Acute Toxicity: Oral LD50 2800 mg/kg (Rat Male/female Experimental value)
 Dermal LD50 >2000 mg/kg (Rabbit Experimental value)

Inhalation LC50 2.30 mg/l 2 h (Rat Male Experimental value)

Causes serious eye irritation.
 Not classified as irritating to the skin.
 Not classified as irritating to the respiratory system.
 Not classified as sensitizing for skin.
 Not classified as sensitizing for inhalation.

Chronic Toxicity: No data available.
 Reproductive Toxicity: No data available.
 Carcinogenicity: No data available.
 Mutagenicity: No data available.

12. ECOLOGICAL INFORMATION

Aquatic/Avian Toxicity: Duration / Species / Value
 96 hour, LC50 / Bluegill sunfish / 300 – 320 mg/l
 96 hour, TLm / Mosquito-fish / 1200 mg/l
 48 hour, TLm / Mosquito-fish / 840 mg/l
 48 hour, EC50 / Daphnia magna / 265 mg/l
 5 day, EC50 / Nitzscheria linearis / 242mg/l

Persistence and Degradability: Not applicable.

Bioaccumulative Potential: Does not bioaccumulate.

Mobility in Soil: Air: Not applicable
 Water: Considerable solubility and mobility
 Soil/sediments: Low potential for absorption

Environmental Hazards: Slightly harmful to fish and invertebrates.

13. DISPOSAL CONSIDERATIONS

Disposal: Dispose of waste material in compliance with all federal, state, and local regulations. Do not put product, spilled product, or filled or partially filled containers into the trash or waste compactor. Contact with incompatible materials could cause a reaction or fire.

14. TRANSPORTATION INFORMATION

Package exceptions may be applicable. Refer to the appropriate IMDG, IATA and/or 49 CFR regulations accordingly.

DOT: Not Regulated

15. REGULATORY INFORMATION

TSCA: USA: Reported in the EPA TSCA Inventory.
 SARA (311, 312): Not Listed
 SARA 313: Not listed

Right To Know Hazardous Substance List: California Proposition 65: This product is not listed. For more information go to www.P65Warnings.ca.gov

Waste Classification: No data available.

Workplace Classification: This product is considered hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200).

CERCLA Reportable Quantity: Not applicable.

16. OTHER INFORMATION

ALWAYS COMPLY WITH ALL APPLICABLE INTERNATIONAL, FEDERAL, STATE AND LOCAL REGULATIONS REGARDING THE TRANSPORTATION, STORAGE, USE AND DISPOSAL OF THIS CHEMICAL. Due to the changing nature of regulatory requirements, the REGULATORY INFORMATION listed in Section 15 of this document should NOT be considered all-inclusive or authoritative. International, Federal, State and Local regulations should be consulted to determine compliance with all required reporting requirements. The information in this SDS was obtained from sources, which we believe are reliable. HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, REGARDING ITS CORRECTNESS. The conditions or methods of handling, storage, use, and disposal of the product are beyond our control and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THE PRODUCT. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

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HMIS Rating: Health: 2
 Flammability: 0
 Reactivity: 0

NFPA Rating: Health: 2
 Flammability: 0
 Reactivity: 0

Special Hazard Warning: Not applicable.