



SAFETY DATA SHEET

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: WATER TECHNIQUES, INC
 6010 NW FIRST PLACE 14260 W. NEWBERRY RD #162
 GAINESVILLE, FL 32607 NEWBERRY FL 32669
 Tel: 352-378-9696
 24 HOUR EMERGENCY NUMBER: INFOTRAC (TRANSPORTATION): 1-800-535-5053

2. HAZARD(S) IDENTIFICATION



Classification: EYE IRRITANT
 INHALATION HAZARD

Signal Word: WARNING

Hazard Statements: HEALTH HAZARDS:
 Causes serious eye irritation - Category 2 - H319
 Harmful if inhaled - Category 4 - H332

Precautionary Statements: Wear eye protection and face protection. Do not breathe in dust. Wash hands 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

	<u>PERCENT %</u>	<u>CAS #</u>
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. Consult a doctor/medical service if you feel unwell.

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: Adapt extinguishing media to the environment. No unsuitable extinguishing media known.

Extinguishing Media:

Specific Hazards from Chemical: Upon combustion: CO and CO2 are formed. Reacts on exposure to water (moisture) and with (some) metals.

Special Protective Equipment: No specific fire-fighting instructions required. Wear gloves, safety glasses and protective clothing. Dust cloud production: compressed air/oxygen apparatus. Heat/fire exposure: compressed air/oxygen apparatus.

Other Information: No data available

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Prevent dust cloud formation, e.g. by wetting. No naked flames. Wear gloves, safety glasses and protective clothing. Dust cloud production: compressed air/oxygen apparatus.

Methods and Materials for cleanup: Prevent dust cloud formation. Scoop solid spill into closing containers. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling.

Contain released substance, pump into suitable containers. Plug the leak, cut off the supply. Knock



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down/dilute dust cloud with water spray. Violent exothermic reaction with (some) acids: release of harmful gases/vapors (carbon dioxide). Carbon dioxide is heavier than air and will collect in ducts, drains and low lying areas.

7. HANDLING AND STORAGE

Handling: Avoid raising dust. Keep away from naked flames/heat. Observe normal hygiene standards. Keep container tightly closed.

Storage: Store in a cool area. Store in a dry area. Keep container in a well-ventilated place. Keep out of direct sunlight. Meet the legal requirements. Keep away from heat sources, strong acids, metals and water/moisture. Do not store in aluminum or zinc.

8. EXPOSURE CONTROLS / PERSONAL PROTECTIONS

OSHA permissible exposure limit: DNEL - Workers - sodium carbonate
Long-term local effects inhalation: 10 mg/m³

DNEL - General population - sodium carbonate
Acute local effects inhalation : 10 mg/m³

Appropriate Engineering Controls: Avoid raising dust. Keep away from naked flames/heat. Carry operations in the open/under local exhaust/ventilation or with respiratory protection.

Individual Protection Measures: Observe normal hygiene standards. Keep container tightly closed. Do not eat, drink or smoke during work.
Respiratory Protection: dust mask with filter type P1.
Skin Protection. Wear gloves and protective clothing (butyl rubber, PVC).
Eye Protection: Safety glasses. In case of dust production, protective goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colorless to white granules	Flammability (solid/gas):	Non combustible
Odor:	Odorless	Upper/lower Flammability or Exposure limits:	Non combustible
Odor Threshold:	Not Applicable	Vapor Pressure:	No data available
pH:	11.6 @ 5.0%	Vapor Density:	Not Applicable
Melting Point/Freezing Point:	851°C	Density:	2530 kg/m ³
Initial Boiling Point/Boiling Range:	No data available	Partition Coefficient: n-octanol/water:	No data available
Flash Point:	Not data available	Auto-ignition Temperature:	>400°C
Evaporation Rate:	Not Applicable	Decomposition Temperature:	1600°C
		Viscosity:	No data available

10. STABILITY AND REACTIVITY

Stability/Reactivity: Hygroscopic. Substance has basic reaction.

Possibilities of Hazardous Reactions: Reacts on exposure to water (moisture) and with (some) metals. Violent exothermic reaction with (some) metals. Reacts with (strong) oxidizers.

Conditions to Avoid: Avoid raising dust. Keep away from naked flames/heat.

Incompatible Materials: (Strong) acids, metals, water/moisture, aluminum, zinc.

Hazardous Decomposition Materials: Violent exothermic reaction with (some) acids: release of harmful gases/vapors (carbon dioxide). Upon combustion: CO and CO₂ are formed.

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.



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Chronic Toxicity: ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Red skin. Dry skin. Tingling/irritation of the skin. Affection of the nasal septum.

Reproductive Toxicity: Not classified for reproductive toxicity or developmental toxicity.

Carcinogenicity: Not classified for carcinogenicity.

Mutagenicity: Not classified for mutagenic toxicity.

12. ECOLOGICAL INFORMATION

Aquatic Toxicity: Acute toxicity fish: LC50 ; 300 mg/l *Lepomis macrochirus*
Acute toxicity invertebrates: EC50 ; 200 - 227 mg/l *Ceriodaphnia* sp.
Toxicity algae and other aquatic plants: EC50 ; 242 mg/l 5 days Algae
Conclusion:
Slightly harmful to fishes (LC50(96h) 100-1000 mg/l)
Practically non-toxic to algae (EC50 >100 mg/l)
Slightly harmful to invertebrates (EC50 (48h): 100 - 1000 mg/l)
pH shift

Avian Toxicity: No data available.

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): Acute Health Hazard

SARA 313: Not listed

Right To Know Hazardous Substance List: California Proposition 65: This product is not listed.

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.

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

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

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Special Hazard Warning: Not applicable.