



# SAFETY DATA SHEET

## 1. PRODUCT IDENTIFICATION

Product Name: ALKALINITY INCREASER  
Synonym(s): Baking Soda, Sodium Hydrogen Carbonate, Sodium Bicarbonate, Alkalinity Increaser  
Recommended Uses: Increases Total Alkalinity in Swimming Pools or Spas  
SDS Reference: 89  
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: Not subject to GHS classification.  
Signal Word: Not applicable  
Hazard Statements: HEALTH HAZARDS:  
Breathing dust may cause coughing or difficulty breathing. Direct Eye contact may cause irritation or reddening or tearing. Direct skin contact may cause irritation.  
Precautionary Statements: Wear protective gloves and eye protection. Wash hands thoroughly after handling.  
Eye Contact: Contact may cause irritation.  
Skin Contact: May cause skin irritation.  
Inhalation: May cause coughing or difficulty breathing.  
Ingestion: May cause nausea or abdominal pain if ingested.

## 3. COMPOSITION

	<u>PERCENT %</u>	<u>CAS #</u>
Chemical Name: Sodium Bicarbonate	>99	144-55-8

## 4. FIRST AID

If In Eyes: Immediately rinse eyes with water. Remove any contact lenses, and continue flushing eyes with running water for at least 15 minutes. Seek medical attention if irritation develops or persists.  
If on Skin or Clothing: Wash affected areas with plenty of water, and soap if available, for several minutes. Seek medical attention if irritation develops or persists.  
If Inhaled: Remove from area to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.  
If Swallowed: May cause nausea, vomiting and abdominal pain. Large doses may cause alkalosis.  
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 material suitable for surrounding fire conditions.  
Extinguishing Media:  
Specific Hazards from Chemical: Not flammable and not explosive. May produce CO<sub>2</sub> (displacement of breathable atmosphere).  
Special Protective Equipment: Wear self-contained breathing apparatus when entering area unless atmosphere is provided to be safe.  
Other Information:

## 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear suitable personal protective equipment. See Section 8 for Personal Protective Equipment.  
Methods and Materials for cleanup: For dry spills, sweep or shovel and place in containers for disposal in accordance with applicable regulations. Handle in accordance with good industrial hygiene and safety practice. Avoid formation of dust. Avoid excess skin and eye contact. Avoid contamination of bodies of water during cleanup.

## 7. HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin and clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking or smoking.



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Storage: Store in a cool, dry and well-ventilated location. Good housekeeping should be maintained to minimize dust accumulation and generations. Keep away from acids and water.

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTIONS**

OSHA permissible exposure limit: ACGIH TWA : 3 mg/m<sup>3</sup> Respirable Dust ; 10 mg/m<sup>3</sup> Total Dust  
OSHA PEL : TWA : 5 mg/m<sup>3</sup> : Respirable Dust ; 15 mg/m<sup>3</sup> Total Dust

Appropriate Engineering Controls: Use local exhaust ventilation to keep airborne levels below exposure limits.  
Individual Protection Measures: Eye Protection: Use vented goggles or safety glassed in excessively dusty conditions.  
Skin Protection: Not required under normal conditions. Use gloves and protective clothing if excessively dusty or if skin is damaged.  
Respiratory Protection: Not required where adequate ventilation is provided. If airborne concentrations are high, use a NIOSH/MSHA approved respirator that has been selected by a technically qualified person for the specific work conditions.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	White granules	Flammability (solid/gas):	No data available
Odor:	No data available	Upper/lower Flammability or Exposure limits:	No data available
Odor Threshold:	No data available	Vapor Pressure:	Not Applicable
pH:	8.0 - 8.5	Vapor Density:	No data available
Melting Point/Freezing Point:	No data available	Density:	60 lbs/ft <sup>3</sup>
Initial Boiling Point/Boiling Range:	Decomposes on heating	Solubility(ies):	8.8% at 20°C
Flash Point:	Not Applicable	Partition Coefficient: n-octanol/water:	No data available
Evaporation Rate:	No data available	Auto-ignition Temperature:	No data available
		Decomposition Temperature:	50°C without melting
		Viscosity:	No data available

## **10. STABILITY AND REACTIVITY**

Stability/Reactivity: Stable in dry air, in moist air forms sodium carbonate, an irritant.  
Possibilities of Hazardous Reactions: Hazardous Polymerization: Will Not Occur  
Conditions to Avoid: Exposure to moisture or moist air. Temperatures above 150°F (65°C)  
Incompatible Materials: Acids. Aluminum (tarnishes).  
Hazardous Decomposition Materials: When heated to decomposition, sodium bicarbonate produces carbon dioxide.

## **11. TOXICOLOGICAL INFORMATION**

Acute Toxicity: Oral Toxicity: treat as Particulates Not Otherwise Regulated:  
LD60: 4220 mg/kg (rat)  
LD60: 3360 mg/kg (mouse)  
Oral LD50: 20 mg/kg - 5 day intermittent (man)  
Oral LD50: 1260 mg/kg (infant)  
  
Eyes: mid 100 mg/30 sec (rabbit)  
Skin: mid 30 mg/3 days intermittent (human)  
Not classified as skin corrosion/irritant and not classified as serious eye damage/irritant.  
  
Chronic Toxicity: Not classified  
Reproductive Toxicity: Not classified  
Carcinogenicity: Is not listed as a carcinogen.  
Mutagenicity: No data available.

## **12. ECOLOGICAL INFORMATION**

Aquatic Toxicity: LC 50: 7100 mg/l (Bluegill)  
LC 50: 8250 - 9000 mg/l (96 hr)



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EC 50: 4100 mg/l (Daphnia)  
EC 50: 2350 (48 hr)  
LC 50: 7700 mg/l (Rainbow trout)

Avian Toxicity: No data available

Environmental Hazards: No data available

### **13. DISPOSAL CONSIDERATIONS**

Disposal: If permitted by local and state regulations, place in a hazardous or industrial waste landfill. Tonnage quantities are not however, recommended for the landfill and if possible should be re-used for an appropriate application. Small quantities may be flushed to sewers by NPDES or POTW permit. Refer to federal, state and local regulations for applicable site-specific requirements. Keep out of drinking water sources.

### **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

Waste Classification: No data available.

Workplace Classification: This product is not considered hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200).

CERCLA Reportable Quantity: Not listed

### **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: No data available.

NFPA Rating: No data available.

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Special Hazard Warning: Not applicable.

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