



# MATERIAL SAFETY DATA SHEET

## I - PRODUCT IDENTIFICATION

Product: Alkalinity Increaser  
Chemical Family: Alkaline Salts  
Formula:  $\text{NaHCO}_3$   
CAS Number: 144-55-8  
Synonyms: Sodium acid carbonate, Baking Soda, Sodium Bicarbonate

### COMPANY IDENTIFICATION

AllChem Performance Products, LP  
6010 NW First Place  
Gainesville, FL 32607  
Tel:352-378-9696

### 24 HR EMERGENCY TELEPHONE NUMBER

INFOTRAC (Transportation): (800)535-5053

## II – COMPOSITION, INFORMATION ON INGREDIENTS

Chemical or Common Name: \_\_\_\_\_ Exposure Limits  
OSHA PEL: \_\_\_\_\_ ACGIH TLV: \_\_\_\_\_

Sodium Bicarbonate [144-55-8] 99%

## III – HAZARDS IDENTIFICATION

Primary Route(s) of Entry:

Ingestion: ()  
Inhalation: ()  
Skin Contact: ()  
Eye Contact: ()

Primary Health Hazards (Acute and Chronic):

Carcinogenicity Listings:

OSHA: ()  
NTP: ()  
IARC: ()

Signs & Symptoms of Exposure:

Ingestion:  
Inhalation:  
Skin Contact:  
Eye Contact:

Medical Conditions Aggravated By Exposure:

## IV – FIRST AID MEASURES

Emergency and First Aid Procedures:

Ingestion:

Inhalation:

Skin Contact: Wash with water until clean. Wash clothing before reuse.

Eye Contact: Wash immediately with running water, for at least fifteen minutes. Call a doctor to take patient to the nearest medical institution.

## V – FIRE FIGHTING MEASURES

### FIRE AND EXPLOSION HAZARD DATA

Sodium Bicarbonate is a non-flammable chemical product. It is not susceptible to producing flames or explosions

Flash Point (Method Used):

Flammable Limits:



# MATERIAL SAFETY DATA SHEET

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LEL:

UEL:

Extinguishing Media:

Special Fire-fighting Procedures:

Unusual Fire and Explosion Hazards:

## **VI – ACCIDENTAL RELEASE MEASURES**

Steps To Be Taken In Case Material Is Spilled Or Released:

If Sodium Bicarbonate is spilled, it should be picked up with a shovel, filling a receptacle properly labeled and closed for later disposal.

## **VII – HANDLING AND STORAGE**

Precautions to Be Taken in Handling and Storage:

Avoid exposure to high temperatures. Store product in a dry place, avoiding humidity. Generally, Sodium Bicarbonate is recognized as a safe material for humans and animals.

Other Precautions:

## **VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION**

Respiratory Protection: Use a breathing mask with dust filter.

Ventilation:

Local Exhaust:

Mechanical Exhaust:

Other Protective Clothing or Equipment: Use safety glasses or goggles, use gloves, apron and shoes made of synthetic material (which does not permit alkaline solutions to pass through). Use hairnets or turbans to protect the scalp.

Work/ Hygienic Practices:

## **IX - PHYSICAL/CHEMICAL CHARACTERISTICS**

Boiling Point:

Vapor Pressure (mm Hg):

Vapor Density (Air=1):

Solubility in Water:

Appearance and odor: Crystalline Solid, White

Specific Gravity (H<sub>2</sub>O=1):

Percent volatile by volume:

Melting Point: Decomposes without fusing, releasing CO, Na<sub>2</sub>CO<sub>3</sub> and H<sub>2</sub>O

Evaporation Rate:

Bulk Density: 56.18 lb/ft<sup>3</sup>. (minimum)

Molecular Weight: 84.01

## **X – STABILITY AND REACTIVITY**

Stability:             Unstable                            Stable under normal conditions

Conditions to Avoid: Avoid exposure to high temperatures

Incompatibility: Avoid contact with acids, it reacts releasing CO<sub>2</sub> gas.

Hazardous Decomposition or By-Products:

Hazardous Polymerization:                            May Occur                            Will Not Occur

## **XI - TOXICOLOGICAL INFORMATION**

Acute Toxicity:

Target Organ Toxicity:



# MATERIAL SAFETY DATA SHEET

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Reproductive and Development Toxicity:  
Carcinogenicity:  
Mutagenicity:

## **XII – ECOLOGICAL INFORMATION**

Aquatic Toxicity:  
Avian Toxicity:

## **ENVIRONMENTAL HAZARDS (PR Notice 93-10)**

This product is toxic to fish and aquatic organisms. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water board or Regional Office of the EPA.

## **XIII – DISPOSAL CONSIDERATIONS**

Waste Disposal Method: Sodium Bicarbonate waste should be handled according to the actual State and/or Federal regulation.

## **XIV - TRANSPORTATION DATA**

Please refer to applicable regulations or call company noted under Section I.

## **XV - REGULATORY INFORMATION**

SARA Title III:  
TSCA:

## **XVI - ADDITIONAL INFORMATION**

This MSDS replaces the 07/18/2005 version. Any changes in information are as follows: Section XIV. **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 XV 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.

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