

I - PRODUCT IDENTIFICATION

Product: Sodium Bicarbonate / Alkalinity Increaser
Chemical Family: Alkaline Salts
Formula: NaHCO₃
CAS Number: 144-55-8
Synonyms: Sodium acid carbonate, baking soda

COMPANY IDENTIFICATION

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

II – COMPOSITION, INFORMATION ON INGREDIENTS

	Exposure Limits	
Chemical or Common Name:	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:

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 (H₂O=1):

Percent volatile by volume:

Melting Point: Decomposes without fusing, releasing CO, Na₂CO₃ and H₂O

Evaporation Rate:

Bulk Density: 56.18 lb/ft³. (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 CO₂ gas.

Hazardous Decomposition or By-Products:

Hazardous Polymerization: May Occur Will Not Occur

XI - TOXICOLOGICAL INFORMATION

Acute Toxicity:

Target Organ Toxicity:

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

U.S. Department of Transportation - 49 CFR

Not regulated

Proper Shipping Name:

Hazard Class/Division Number:

ID Number:

Packing Group:

Label Required:

Placard Required:

Marine Pollutant:

Emergency Telephone Number: Chemtrec 800-424-9300

International Maritime Organization - IMDG

Proper Shipping Name:

Hazard Class/Division Number:

ID Number:

Packing Group:

Label Required:

Placard Required:

Marine Pollutant:

Emergency Telephone Number: Chemtrec 202-483-7616 [call collect]

XV - REGULATORY INFORMATION

SARA Title III:

TSCA:

XVI - ADDITIONAL 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 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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