I - PRODUCT IDENTIFICATION

Product: Sodium Carbonate / pH Increaser
Chemical Family:
Formula: Na_2CO_3
CAS Number: 497-19-8
Synonyms: Disodium Carbonate, Soda Ash, Carbonic Acid Disodium Salt

COMPANY IDENTIFICATION

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

II – COMPOSITION, INFORMATION ON INGREDIENTS

Chemical or Common Name:			Exposure Limits OSHA PEL:	ACGIH TLV:
Sodium Carbonate	[497-19-8]	100%		

Warning Statement: Warning: Causes Eye irritation. May cause skin irritation

III – HAZARDS IDENTIFICATION

Primary Route(s) of Entry:
- Ingestion: ()
- Inhalation: ()
- Skin Contact: ()
- Eye Contact: ()

Primary Health Hazards (Acute and Chronic):
- Acute Eye: Causes irritation
- Acute Skin: May cause redness, swelling
- Acute Inhalation: May cause upper respiratory tract irritation, lung irritation.
- Acute Ingestion: Low acute oral toxicity. May cause nausea, vomiting, diarrhea, irritation, and corrosion.
- Chronic Effects: This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.

Carcinogenicity Listings:
- OSHA: ()
- NTP: ()
- IARC: ()

Signs & Symptoms of Exposure:
- Ingestion:
- Inhalation:
- Skin Contact:

Eye Contact:
Medical Conditions Aggravated By Exposure: Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema or bronchitis. Skin contact may aggravate existing skin disease.

IV – FIRST AID MEASURES

Emergency and First Aid Procedures:

Ingestion: If victim is conscious and alert, give 1-2 glasses of water to drink. Do not give anything by mouth to an unconscious person. Seek immediate medical attention. Do not leave victim unattended. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. Vomiting may occur spontaneously. If vomiting occurs and the victim is conscious, give water to further dilute the chemical.

Inhalation: Remove victim from immediate source of exposure and assure that the victim is breathing. If breathing is difficult, administer oxygen, if available. If victim is not breathing, administer CPR (cardio-pulmonary resuscitation). Seek immediate medical attention.

Skin Contact: In case of contact, immediately wash with plenty of soap and water for at least 5 minutes. Seek medical attention if irritation develops or persists. Remove contaminated clothing and shoes. Clean contaminated clothing and shoes before reuse.

Eye Contact: Hold eyelids open and flush with a steady, gently stream of water for at least 15 minutes. Seek immediate medical attention.

Note to Physician: All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

V – FIRE FIGHTING MEASURES

FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): Not applicable
Flammable Limits:
LEL:
UEL:
Extinguishing Media: Not combustible. Use extinguishing method suitable for surrounding fire.
Special Fire-fighting Procedures: Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Dike area to prevent runoff and contamination of water sources. Dispose off fire control water later.
Unusual Fire and Explosion Hazards: Not combustible.

VI – ACCIDENTAL RELEASE MEASURES

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

Ventilate closed spaced before entering. Wear appropriate protective gear for situation. Scrape up and place in appropriate closed container for disposal. Collect washings for disposal. Decontaminate tools and equipment following cleanup. Clean up residual material by washing area with water. Avoid creation of dusty conditions.

VII – HANDLING AND STORAGE

Precautions to Be Taken in Handling and Storage: Do not get into eyes. Do not breathe dusts. Avoid direct or prolonged contact with skin. Store in an area that is cool, dry and well ventilated.

Other Precautions: These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. While developing safe handling procedures, do not overlook the need to clean equipment and piping systems for maintenance and repairs. Waste resulting from these procedures should be handled in accordance with Section XIII: Waste Disposal Method.

VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the latest OSHA standard (29 CFR 1910.134) and/or ANSI Z88.2 recommendations. Under normal conditions, in the absence of other airborne contaminants, the following devices should provide protection from this material up the conditions specified by OSHA/ANSI: Air purifying (half-mask / full-face) respirator with cartridges / canister approved for use against dusts, mists and fumes.

Ventilation:

Local Exhaust:

Mechanical Exhaust:

Other Protective Clothing or Equipment:

Eye / Face Protection: Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material.

It is generally regarded as good practice to wear a minimum of safety glasses with side shields when working in industrial environments.

Skin Protections: Skin contact should be minimized through use of gloves and suitable long-sleeved clothing (i.e., shirts and pants). Consideration must be given both to durability as well as permeation resistance.

Work/ Hygienic Practices: Personal hygiene is an important work exposure control measure and the following general measures should be taken when working with or handling this material:

1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.
2) Wash hands and face carefully before eating, drinking, using tobacco, apply cosmetics, or using the toilet.
3) Wash exposed skin promptly to remove accidental splash of contact with this material.

IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: Not available
Vapor Pressure (mm Hg):
Vapor Density (Air=1): Not available
Solubility in Water: Soluble 7 wt/wt % @ 25°C (77°F)
Appearance and odor: White granules solid, odorless
Specific Gravity (H_2O=1): 2.53 @ 20°C (68°F)
Percent volatile by volume:
Melting Point: 851°C (1564°F)
Evaporation Rate:
pH: 11.3 @1 wt/wt%
Molecular Weight: 105.99

X – STABILITY AND REACTIVITY

Stability: () Unstable (X) Stable under normal handling and storage conditions
Conditions to Avoid: Extreme heat
Incompatibility: Aluminum, fluorine, humid air, moisture, sulfuric acid, acids, magnesium, phosphorus pentoxide
Hazardous Decomposition or By-Products: Carbon Dioxide (under fire conditions).
Decomposition Temperature range: 400°C (752°F)
Decomposition Type: Thermal
Hazardous Polymerization: () May Occur (X) Will Not Occur
Conditions to Avoid: Not applicable

XI- TOXICOLOGICAL INFORMATION

Acute Toxicity:
Eye Toxicity: Eye Irritation: Rabbit, 50 mg. severely irritating.
Skin Toxicity: Skin Irritation: Rabbit, Mildly irritating
Dermal Toxicity: No test data found for product.
Respiratory Toxicity: No test data found for product.
Inhalation Toxicity: LC50 – Lethal Concentration. 50% of test species, 2300 mg/cu m/cu m/2hr, rat.
Oral Toxicity: LD50 – Lethal Dose. 50% of test species, 4090 mg/kg, rat.
Chronic Toxicity: This product does not contain any substance that are considered by OSHA, NTP, IARC or ACGIH to be "probable" or "suspected" human

carcinogens.
Target Organ Toxicity:
Reproductive and Development Toxicity:
Carcinogenicity:
Mutagenicity:

XII– ECOLOGICAL INFORMATION

No data found for this product

Chemical fate information: No data found for this product.

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:

Do not flush to drain. If spilled on the ground, the affected area should be scraped clean and placed in an appropriate container for disposal. Prevent material from entering public sewer system or any waterway. Large spills should be handled according to a predetermined plan. Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.
Container disposal: Rinse containers before disposal.

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

Federal Regulations:
SARA Title Hazard Classes:
Fire Hazard: No
Reactive Hazard: No
Release of Pressure: No
Acute Health Hazard: YES
Chronic Health Hazard: No
TSCA: All ingredients of this product are listed on the TSCA Inventory

OSHA: TWA: 5 mg/cu m
EPA Hazardous Waste: No

State Regulations:
This product does not contain any components that are regulated under California Proposition 65.

Other Regulations:
NFPA(R) (National Fire Protection Association Hazard Ratings):
Health: 2 Flammability: 0 Reactivity: 0
HMIS (R) (National Paint & Coating Hazardous Materials Identification System):
Health: 2 Flammability: 0 Reactivity: 0

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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Revised: 05/20/1996