



SAFETY DATA SHEET

SECTION I IDENTIFICATION

Product Name: ECO Alkalinity
Chemical Name/Synonyms: Sodium Bicarbonate, Baking Soda
C.A.S. Registry #: 144-55-8
Chemical Family: Inorganic, salt
Formula: NaHCO_3
Manufacture: FMC Wyoming Corp. 1735 Market St., Philadelphia, Pa. 19103
Emergency Phone Number: CHEMTREC..... (800) 424-9300
Medical..... (303) 595-9048 call collect
Plant/Other..... (307) 872-2452 call collect

Distributor: Proline Distributors
1191 South Rogers Circle, Boca Raton, FL 33487
3720 Interstate Park Road, North Riviera Beach, FL, 33404
15712 S.W. 41st Street, Suite 1, Davie, FL, 33331
Telephone: (561)-241-7000, (561)-863-1494, (954)-659-3150

SECTION II INGREDIENTS & HAZARDS

Ingredient (s):
Sodium Bicarbonate (NaHCO_3) 99.0 - 100.0% wt
Inert Ingredients 1.0 - 1.0% wt

Hazardous Mixtures of other Liquids, Solids or Gas: Not a hazardous material according to OSHA. Reacts with acid to release carbon dioxide and heat.

SECTION III PHYSICAL DATA

Physical State: Powder
Appearance and Odor: White granular solid. Odorless.
Spec Gravity: 2.20
Boiling Point: NA
Freezing Point: Decomposes
pH: 1% solution = Approx. 8.1
Vapor Pressure (mm Hg): Nil.
Vapor Density: NA
Solubility in Water: 9.6% at 20^oc
Density: 0.88 gm/ml Avg.

SECTION IV FIRE AND EXPLOSION HAZARD

Flash Point: Noncombustible
Flammable Limits: NA
National Fire Rating System (NFPA): None – Non-Hazardous
Hazard Material Identification System (HMIS): None – Non Hazardous
Extinguishing Media: This material does not burn. If exposed to fire from another source, use suitable fire extinguishing agent for that fire.
Special Fire Fighting Procedures: None

Unusual Fire & Explosion Hazards: Non-combustible.
 Additional Information: None

SECTION V HEALTH HAZARD DATA

	<u>Health Effects of Overexposure:</u>	<u>Emergency and First Aid Procedures:</u>
Eye Contact:	Dust or mist may cause eye irritation.	Irrigate with water for at least 15 minutes, including under eyelids. If irritation persists get medical attention.
Skin Contact:	Dust or mist may cause eye irritation.	Flush affected area with large amounts of soap and water. If irritation persists get medical attention.
Inhalation:	Inhalation of product dust or mist may irritate respiratory tract	Remove to fresh air. If irritation persists get medical attention.
Ingestion:	Ingestion may cause irritation and excess fluid retention (edema)	Drink water to dilute. Seek medical advice.
Acute Exposure:	Sodium Bicarbonate is a GRAS (Generally recognized as safe) product. No significant toxicity is expected. Administration of large doses of sodium bicarbonate to patients with renal insufficiency can produce systemic alkalosis.	

SECTION VI TOXICOLOGICAL DATA

Threshold Limit Value: OSHA PEL & ACGIH TLV - Not established.
 Toxic Limits: Ingestion: LD50 (rat) 4300 Mg/Kg (20% slurry)
 Carcinogenicity: No data available

SECTION VII REACTIVITY DATA

Stability: Stable.
 Incompatibility (Materials to Avoid): Reacts with acid to release carbon dioxide gas and heat.
 Hazardous Decomposition Products: None
 Hazardous Polymerization: Will not occur.
 Conditions to Avoid: Contact with acid except under controlled conditions. Carbon dioxide gas can be formed in confined spaces or tanks when alkaline products contact acid products, which can be dangerous to life.

SECTION VIII SPILL OR LEAK PROCEDURES

Steps to be taken if material is Released or Spilled: Sweep or shovel up and place into container and salvage. Wash area with large amounts of water.
 Waste Disposal Methods: Dispose in accordance with Federal, State, and local regulations. Chemical additions or otherwise altering the material may make the MSDS incomplete or inappropriate. Waste characterization and disposal compliance is the responsibility of the party generating and disposing of the waste.
 Additional Information: Not an EPA hazardous substance. Plan in advance for such an incident and have the necessary equipment available.

SECTION IX SPECIAL PROTECTION INFORMATION

Respirator Protection: If dusty or misty conditions prevail, use dust or mist respirators approved by NIOSH. If sulfur dioxide gas is released, use a respirator approved by NIOSH for this material.
 Ventilation: Local exhaust ventilation - personnel should not be exposed to irritating effects of the dust.
 Eye Protection: If exposed to dust or mist or solution, wear chemical goggles. Do not wear contact lenses. Eyes must be protected if dissolving material in water. Eye wash stations should be located in immediate area.
 Other Protective Equipment: Wear full work clothing, including long sleeved shirt and trousers for routine

product-handling use. Cotton gloves are usually adequate for dry product.

SECTION X TRANSPORTATION INFORMATION

DOT Proper Shipping Name: NA
DOT Hazard Class: Non Hazardous
DOT Identification #: NA

SECTION XI REGULATORY INFORMATION

NA – This product is non-hazardous and not listed on any of the regulatory chemicals lists (SARA, CERCLA, TOSCA, etc.)
RQ: NA

SECTION XII SPECIAL PRECAUTIONS

Precautions to be taken in Handling and Storage: Store in closed containers. Store in a cool, dry area away from other chemicals that could contaminate this product. Minimize the free fall when handling to minimize the amount of dust generated. Protect from physical damage. Utilize local exhaust if dusty or misty conditions exist. Use exhaust if there is a release of sulfur dioxide gas.

Other Precautions: Use an approved dust respirator to prevent irritation by the dust. Carbon dioxide gas can be generated in confined spaces if sodium Bicarbonate contacts acids.

The data in this Safety Data Sheet relates only to the specific material designated and does not relate to its use in combination with any other material or process. The data contained is believed to be correct. However, since conditions of use are outside our control, it should not be taken as a warranty or representation for which Proline Distributors assumes legal responsibility. This information is provided solely for your consideration, investigation, and verification.

For additional information, contact our technical service department.