

# Alkalinity First™

## Water Treatment POWERHOUSE

Ensuring proper bicarbonate alkalinity is essential for various water treatment applications, including municipal drinking water systems, bustling water parks, and even residential swimming pools.







With Alkalinity First™, maintaining optimal water balance and corrosion control has never been easier. Our product delivers bicarbonate alkalinity reliably and efficiently, making it the **PROFESSIONAL CHOICE FOR WATER TREATMENT.**

## ARM & HAMMER™

### Your Trusted Partner for Balanced Water

Revolutionize your water treatment process and experience the difference Alkalinity First™ can make:

-  **Reliable pH and Alkalinity Management:** Our product helps establish and consistently maintain pH levels within the recommended range of 7.2 to 7.8, ensuring safe and clear pool water.
-  **Prevent Corrosion and Scaling:** By stabilizing pH and alkalinity, Alkalinity First™ sodium bicarbonate helps prevent staining, corrosion, scaling, and cloudy water, prolonging the life of your pool surfaces and equipment.
-  **Enhanced Sanitizer Efficiency:** Maintaining the proper alkalinity level optimizes sanitizer efficiency, ensuring the effective elimination of bacteria and algae.
-  **Certified Quality:** Alkalinity First meets the stringent requirements of the NSF / ANSI / CAN 60 Drinking Water Chemical – Health Effects standard, assuring its safety and effectiveness for water treatment purposes.

Additional Details:

SKU: 20015471 SBC Alkalinity First 50lb Bag	
Weight per Bag	50 lb
Bags per Layer	5
Bags per Pallet	55
Trade Unit Gross Weight	51 lb
Pallet Gross Weight	2805 lb
Max Pallets per Truck	15

SKU: 20510503 SBC Alkalinity First 4/12lb Pouch	
Weight per pouch	12 lb
Pouches per case	4
Cases per layer	10
Cases per pallet	40
Trade unit gross weight	52.35 lb
Pallet gross weight	2094 lb
Max pallets per truck	21

Experience the Power of Alkalinity First™ in a **NEW COMPACT SIZE!**

Introducing a practical 12-pound pouch, perfect for contractors and small applications, to complement our existing 50 lb bag.

#### New Pouch Features:

- **Water-Resistant Laminate:** Our pouch ensures maximum protection for the sodium bicarbonate inside, keeping it fresh and effective even in humid environments.
- **Re-Sealable Convenience:** With easy opening and closing, your Alkalinity First™ will remain secure and free from moisture, preserving its quality over time.
- **Lighter and Easy to Handle:** Designed with convenience in mind, our pouch makes it effortless to carry and transport, saving you time and effort.
- **4 Pouch Stackable Case:** A stackable case provides effortless organization and storage.





## The First Step Toward Balanced Pool Water

Low total alkalinity can cause rapid deterioration of plaster, paint and vinyl, as well as damage metal fittings and cause iron and copper stains. Utilize this chart to calculate the alkalinity increaser needed to raise alkalinity.

TO RAISE TOTAL ALKALINITY (T.A.) USING SODIUM BICARBONATE							
DESIRED INCREASE IN T.A.	GALLONS IN POOL						
	1,000	5,000	10,000	15,000	20,000	25,000	50,000
10 ppm	0.15 lbs.	0.75 lbs.	1.50 lbs.	2.25 lbs.	3.00 lbs.	3.75 lbs.	7.50 lbs.
20 ppm	0.30 lbs.	1.50 lbs.	3.00 lbs.	4.50 lbs.	6.00 lbs.	7.50 lbs.	15.00 lbs.
30 ppm	0.45 lbs.	2.25 lbs.	4.50 lbs.	6.75 lbs.	9.00 lbs.	11.25 lbs.	22.50 lbs.
40 ppm	0.60 lbs.	3.00 lbs.	6.00 lbs.	9.00 lbs.	12.00 lbs.	15.00 lbs.	30.00 lbs.
50 ppm	0.75 lbs.	3.75 lbs.	7.50 lbs.	11.25 lbs.	15.00 lbs.	18.75 lbs.	37.50 lbs.
60 ppm	0.90 lbs.	4.50 lbs.	9.00 lbs.	13.50 lbs.	18.00 lbs.	22.50 lbs.	45.00 lbs.
70 ppm	1.05 lbs.	5.25 lbs.	10.50 lbs.	15.75 lbs.	21.00 lbs.	26.25 lbs.	52.50 lbs.
80 ppm	1.20 lbs.	6.00 lbs.	12.00 lbs.	18.00 lbs.	24.00 lbs.	30.00 lbs.	60.00 lbs.
90 ppm	1.35 lbs.	6.75 lbs.	13.50 lbs.	20.25 lbs.	27.00 lbs.	33.75 lbs.	67.50 lbs.
100 ppm	1.50 lbs.	7.50 lbs.	15.00 lbs.	22.50 lbs.	30.00 lbs.	37.50 lbs.	75.00 lbs.

The acceptable range of total alkalinity is generally considered to be from 60 to 180 ppm. When alkalinity is adjusted to the range of 80 to 150 ppm, it maximizes the likelihood that the pool pH will hold in the range of 7.2 to 7.8.

	Pools	Spas
Free Available Chlorine	1.0 - 4.0 ppm	2.0 - 5.0 ppm
pH	7.2 - 7.8	
Total Alkalinity	60 - 180 ppm as CaCO	
	80 - 100 ppm as CaCO Where the sanitizer is Calcium, Lithium or Sodium Hypochlorite.	
	100 - 120 ppm as CaCO Where the sanitizer is Sodium dichlor, trichlor, chlorine gas or bromine compounds.	
Calcium Hardness	150 - 1,000 ppm as CaCO Ideally 200 - 400 ppm	100 - 800 ppm as CaCO <sub>3</sub> Ideally 150 - 250 ppm

This information is made available to you courtesy of your pool chemical dealer in cooperation with Church & Dwight Co., Inc



**ARM & HAMMER™ Performance Products**, a leader with over 170 years of experience, is your trusted strategic partner in providing high-quality solutions tailored specifically for the pool industry. With a legacy rooted in bicarbonate expertise, we understand the unique challenges faced by pool operators and owners.

Learn more at [ahperformance.com](http://ahperformance.com)