



SODIUM BICARBONATE



INDUSTRIAL COOKING AND CLEANING – NATURALLY

Sodium bicarbonate, often called baking soda, touches our lives every day in many different ways. Tronox sodium bicarbonate is used in a wide variety of industrial and consumer applications. Our various sodium bicarbonate grades are biodegradable, soluble in water, and environmentally friendly. The table below summarizes some of these uses and the functionality that sodium bicarbonate provides:

Industrial Applications	Food	Consumer Applications	Pharmaceutical & Health	Animal Feed
<ul style="list-style-type: none"> ■ Abrasive blasting - 'Soda Blasting' - abrasive agent for removal of surface coatings ■ Chemical manufacturing - Used in various reactions as a catalyst, stabilizer, and source of CO₂ ■ Water treatment - pH and buffer control; reduces levels of lead and other heavy metals; neutralizes contaminants in waste water ■ Swimming pool treatment - Buffers pool water against large swings in pH 	<ul style="list-style-type: none"> ■ Baking - Releases CO₂ gas bubbles within the dough; basic component used in virtually all leavening processes for baked goods ■ Baking soda - Acts to buffer the dough, allowing other ingredients of the mix to react ■ Candies - Leavening system in peanut brittle and other candies ■ Dry beverage mixes - Creates CO₂ when liquid is added 	<ul style="list-style-type: none"> ■ Household cleaning products - Odor absorbing and freshening in refrigerators, freezers, kitty litter, and carpet cleaning ■ Deodorants and personal care - Absorbing wetness and odor ■ Laundry products - Solubility and pH control; as a source of buffered, mild alkalinity 	<ul style="list-style-type: none"> ■ Antacid - A natural antacid with excellent buffering and acid neutralization characteristics ■ Effervescent - Can be tabletized as an effervescent ingredient, not only in antacids, but also in denture cleaning products ■ Toothpaste - As a mild abrasive to remove acid forming plaque ■ Hemodialysis - Neutralizes the acids in dialysis treatment for millions of people who depend on this procedure 	<ul style="list-style-type: none"> ■ Feed grade - For use in dairy, poultry, and swine diets ■ Buffering agent - Neutralizing and buffering the digestive system of cows, maximizing milk production ■ Sodium source - To maintain electrolyte balance, improve heat stress tolerance and litter quality

Sodium Bicarbonate

Tronox provides the world's most reliable supply of high-quality, sodium bicarbonate to the U.S. and to strategic export markets around the world.

Product	OMRI	NSF	USP	Kosher	GFSI (FSSC)	Q7A/GDUFA
Bicarb - USP #1	✓	✓	✓	✓	✓	
Bicarb - USP #2	✓	✓	✓	✓	✓	
Bicarb - USP #5	✓	✓	✓	✓	✓	
Bicarb - #1 TFF	✓	✓		✓	✓	
No. 5				✓		
No. 6				✓		
Industrial	✓	✓		✓		
Pool		✓		✓		
Coarse Industrial		✓		✓		
Feed	✓	✓		✓		
Hemo Grade No. 2			✓	✓	✓	
Hemo Grade Coarse			✓	✓	✓	
Pharma Grade No. 2			✓	✓	✓	✓
Pharma Grade No. 5			✓	✓		✓

- Sodium bicarbonate is available in bulk shipments or packaged in 50 lb. bags, 25 kg bags, various sized IBC's, or bulk.
- Delivery options include hopper truck, pneumatic truck, or rail car.
- Export delivery arrangements for sodium bicarbonate can be made as needed.



Our Green River facility is ISO 9001 certified and is registered with the FDA as a manufacturer of food (Food Facility Registration) and generic drugs (GDUFA). The Sodium bicarbonate plant is CGMP/Q7A compliant and is GFSI certified (FSSC 22000). Tronox Alkali is an ACC Responsible Care Partner Company.

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