Sodium Bicarbonate Production from Soda Ash.
Baking Soda Manufacturing Business

Sodium bicarbonate

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Introduction

Sodium Bicarbonate is an odorless and alkaline compound with the chemical formula NaHCO3. Sodium bicarbonate is commonly referred to as baking soda, which is a popular food ingredient, medicine, and household product. Sodium bicarbonate is mostly used in the food and beverage industry in the preparation of an extensive range of food products such as cakes, pancakes, rolls, muffins, cookies, soda bread, breads, sports drinks, soft drinks, and other baked and fried foods.
It is mainly used as an effervescent agent in food and beverage products. Sodium bicarbonate is a leavening agent, which is commonly used for dough rise. Sodium bicarbonate is an antacid used to relieve heartburn and acid indigestion. This is because it has leavening properties, meaning it causes dough to rise by producing carbon dioxide. Aside from cooking, baking soda has a variety of additional household uses and health benefits.
Sodium bicarbonate is commonly used as baking soda in food and beverage and animal feed. High consumption of grains, dairy, sugar, meat and fish products increases the body acid level which results into several health problems. Consumption of baking soda which is commonly used term for sodium bicarbonate in food & beverage industry, neutralizes the acidic level of body and reduces the risk of several diseases such as arthritis, digestive disorder, heartburn and stomach upset. Application of sodium bicarbonate in wide range of products such as dairy, beers, ciders, cereals, noodles, confectioners, pretzels, etc. will drive the market. Further its excellent properties such as enhancing cakes volume, will positively influence the global sodium bicarbonate market.
Uses and Applications of Sodium Bicarbonate:

Sodium bicarbonate can be used to remove the odor that a thermos takes on after not being used for a long time with the lid closed. It can also be used as a deodorant when applied under the arms. To make things white, mix sodium bicarbonate with lavender essential oil.

- Sodium Bicarbonate in Pest Control
- Sodium bicarbonate as a cleanser
- Sodium bicarbonate in cosmetic
- Sodium bicarbonate as a neutralizer
- Sodium bicarbonate for domestic purposes
- Sodium bicarbonate in gastronomy
Market Outlook

The global sodium bicarbonate market is estimated to reach US$ 2,443.1 Mn by the end of the forecast period and is expected to expand at a CAGR of 3.7% for the period 2018–2028. The factors responsible for this positive growth of sodium bicarbonate market are increasing demand from industrial and pharmaceutical sectors, growing disposable income and favorable socioeconomic trends.

Global demand for sodium bicarbonate will be driven by increasing demand from food & beverage industry. Rising population worldwide is growing the demand for sodium bicarbonate coupled with shift in consumer eating habits, favoring the sodium bicarbonate market.
Consumption of dairy, meat, fish etc. have predominantly resulted into higher body PH value, to treat alkaline level of human body sodium bicarbonate is used. Further its application in bakery product will positively impact sodium bicarbonate market growth over coming years.
U.S. Sodium Bicarbonate Market Size, By End-User, 2013 - 2024 (USD Million)
The increasing consumption in the food industry and growing demand from the personal care industry is driving the market growth. On the flip side, health hazards regarding the consumption of sodium bicarbonate as well as rising competition in the market are expected to limit market growth. Whereas, the growing use of baking soda as a deodorizing agent in personal care products is expected to create potential opportunity over the forecast period.
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It has a multitude of uses from everyday goods to pharmaceuticals and beyond. Different grades of sodium bicarbonate that currently available in market. This is primarily to differentiate the usability of the product based on its grade in Food & Beverages, pharmaceutical, and feed. Sodium bicarbonate is primarily used in baking as a leavening agent. Some of its applications in Food & Beverages include chemical leavening agent in ready-to-eat cakes and pastries, odor absorbent, fruit washing agent and cleaning agent.
The versatile uses of sodium bicarbonate as an active pharmaceutical ingredient and excipient has elevated the global market positioning of the salt in terms of both demand and adoption. A recent study reveals that treatments incorporating sodium bicarbonate are effective in bringing about improvements in the endothelial function in patients suffering from stage 3 and stage 4 chronic kidney disease. Wider applications of sodium bicarbonate will boost revenues in the global market.

The popularity of starch, powdered sugar, and common salt has directly influenced the growth prospects of the global market for sodium bicarbonate. Furthermore, the sale of sodium bicarbonate through several new departmental store chains has also created tremendous growth opportunities within the global market for this product.
Another key factor that is prognosticated to propel market demand in the forthcoming years is the emergence of new vendors in the global market for sodium bicarbonate.

The global sodium bicarbonate market is hindered by complication and side effect on the consumption. High consumption of this product for longer period can cause severe health problem such as allergic reactions, arthritics and breathing problem. Further there are certain restriction on sodium bicarbonate on its application in food and medical items which will negatively influence the market growth by 2024.
Increasing growth in industrial sector and population and demographic changes are the prime factors responsible for the positive growth of the sodium bicarbonate market across the globe. The extension of government health programs in developing countries is also expected to have a positive impact on the growth of the sodium bicarbonate market during the forecast period.

In terms of industrial growth, the flue gas desulphurization industry is experiencing positive growth and is expected to continue to experience the same in the coming years as well.
Global Sodium Bicarbonate Market Value Share (%), By Region (2018)
Crystal/powdered crystal product segment held the highest sodium bicarbonate market share in terms of revenue. It is majorly used in various food products and agrochemical items. Increasing consumption of sodium bicarbonate in food & beverage and agrochemical industry is augmenting the demand for Crystal/powdered crystal product segment. Further major consumption of sodium bicarbonate is done in crystal/powdered crystal which is growing the market by CAGR of over 5.5% in forecast period.
Some of the key vendors in the global sodium bicarbonate market are Solvay Specialty Polymers USA, LLC, Tosoh Corporation, Natural Soda, LLC, Crystal Mark, Inc., and Blastrite, Tata Chemical Ltd., Solvay, KAZAN SODA ELEKTRIK, CIECH Group, Sisecam Group, Tosoh Corporation, Bashkir Soda Company, Novacap, Church & Dwight Co., Inc., NATURAL SODA LLC and AGC Inc.
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Niir Project Consultancy Services (NPCS) can provide Detailed Project Report on Sodium Bicarbonate Production from Soda Ash. Baking Soda Manufacturing Business.

See more
https://bit.ly/2WTfUgX
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