

# Sodium Bicarbonate

## DESCRIPTION

We manufacture Sodium Bicarbonate using Soda Ash and Carbon Dioxide as raw materials.

## CHEMICAL NAME & FORMULA

Sodium Bicarbonate  
 $\text{NaHCO}_3$

## CHEMICAL FORMATION

Powder

## INPUT

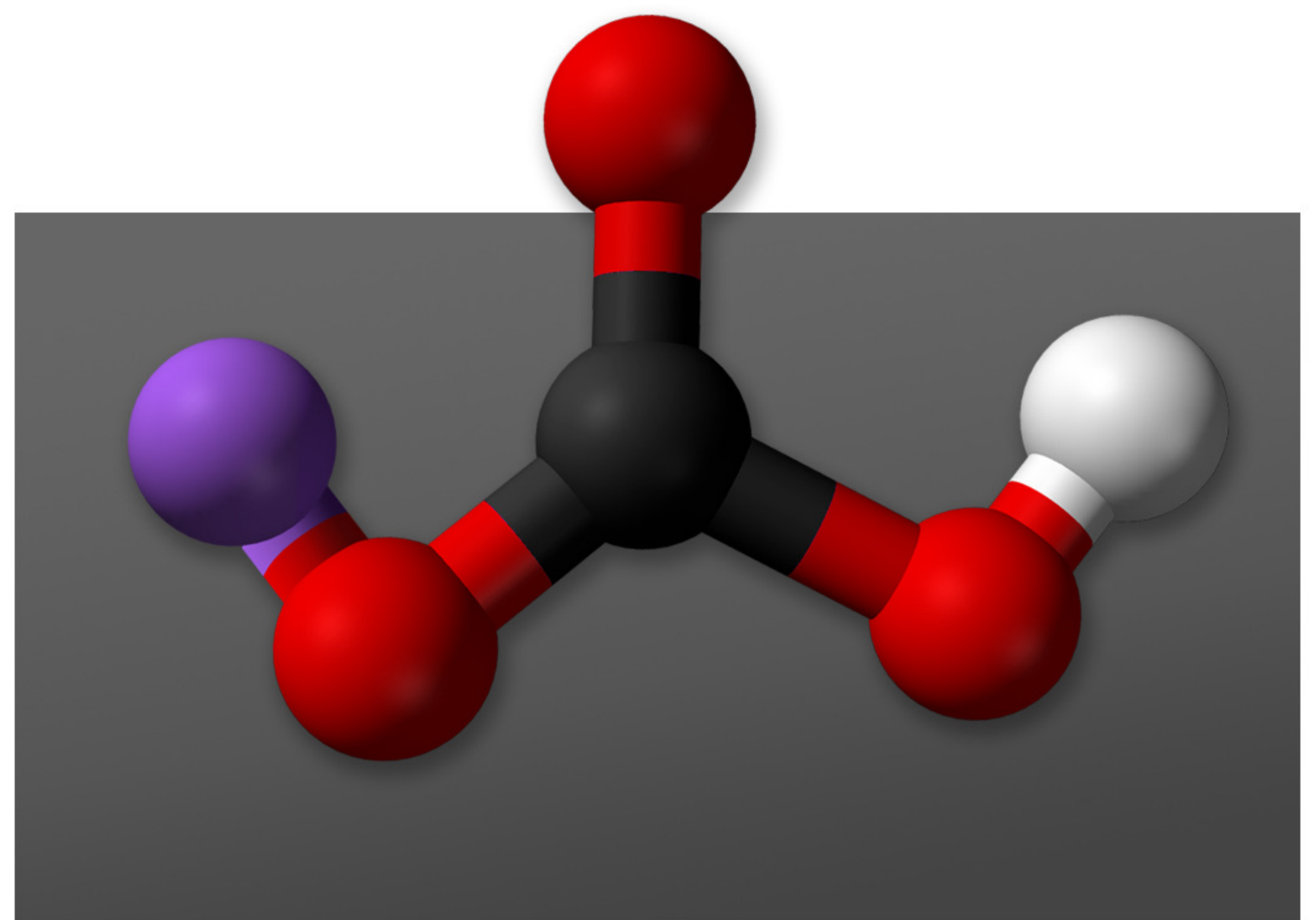
Soda Ash,  
 Carbon Dioxide

## OUTPUT

Sodium Bicarbonate

## APPLICATIONS

Mainly used in the manufacture of Chemicals, Drugs, Food Products, Bakery Products, etc.



## Product Properties

Appearance	White Powder
Corrosive	Yes
Flammability	Not Flammable
Solubility	Soluble in water
Boiling Point	-
Melting Point	Decomposes to Sodium Carbonate starting at 50°C
Specific Gravity	2.532
Reactivity	Incompatible materials, stable in dry air but slowly decomposes in moist air.

## Product Specifications Results on dry basis as per IS:2124:2000

Total Alkalinity as NaHCO <sub>3</sub> (percent by mass)	%	99.00	min.
Chloride as Cl (percent by mass)	%	0.06	max.
Matter Insoluble in water (percent by mass)	%	0.10	max.
Iron as Fe (percent by mass)	%	0.004	max.
Sulphate as SO <sub>4</sub> (percent by mass)	%	0.07	max.
Heavy metals as Pb (ppm)	ppm	5.0	max.
Arsenic as As (ppm)	ppm	1.5	max.
Copper as Cu (ppm)	ppm	30.0	max.
pH (1% solution)	%	8.60	max.

## Related Information

### PACKAGING & HANDLING

Sodium Bicarbonate is packed in 50kgs HDPE in side laminated bags.

Material is hygroscopic in nature. Keep in a cool dry place.

### TRANSPORT CLASSIFICATION

Soda Ash packed bags are transported in trucks or packed container by road.

### PRODUCT USAGES

Its main uses are Textiles, Dyes intermediates, Pharmaceuticals, Food industry, etc.



## Product Safety Data

<b>Name of Product</b>	Sodium Bicarbonate
<b>Composition / Components</b>	Sodium Hydrogen Carbonate as $\text{NaHCO}_3$
<b>Hazards Identification</b>	Slightly hazardous in case of skin contact.
<b>First Aid Measures</b>	<p><b>Eyes:</b> Flush with plenty of water for 15 minutes.</p> <p><b>Skin:</b> Remove contaminated clothes and shoes. Wash affected areas with plenty of water.</p> <p><b>Inhaled:</b> remove victim to fresh air areas. Support respiration. Seek medical aid immediately for all types of exposures.</p>
<b>Measures For Fire Fighting</b>	Non Flammable
<b>First Aid Measures In Case Of Unintentional Release</b>	Avoid direct contact, provide side cover safety goggles, rubber shoes and rubber hand gloves.
<b>Handling &amp; Storage</b>	Keep in a cool, dry and well ventilated place.
<b>Exposure Limit &amp; Staff Protection Equipment</b>	Splash Goggles, Lab Coat, Dust Respirator. Be sure to use an approved/certified respirator and equivalent Gloves.
<b>Physical &amp; Chemical Properties</b>	<p>White Solid Odourless Alkaline Powder.</p> <p>Molecular Weight 84.1 g/mol, pH (1% Soln/water) 8.2 [Basics].</p> <p>Melting Point 851°C (1563.8°F) Sp. Gravity-Density 2.159 (Water=1).</p> <p>Soluble in Water.</p>
<b>Stability &amp; Reactivity</b>	Chemically Stable in dry air. Slowly decomposes in moist air. Hygroscopic, reacts with acids.
<b>Information Of Toxicology</b>	Hazardous in case of skin contact (irritant), of ingestion, of inhalation (lung irritant).
<b>Information Of Ecology</b>	Eco-friendly
<b>Information About Waste Disposal</b>	Waste must be disposed of in accordance with state environment control regulations.
<b>Information About Transport</b>	Sodium Bicarbonate is packed in bags and transported in trucks by road.
<b>Uses</b>	In manufacturing Chemicals, Drugs, Food Products, Bakery Products, etc.
<b>Other Information</b>	CAS No: 144-55-8