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Product Name :

Sodium Bicarbonate

Product Code :

SCL-951/218

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Description :

Sodium Bicarbonate (Product Code: SCL-951/218), also called sodium hydrogen carbonate or baking soda, is a mild base used to generate carbon dioxide and to test for carboxylic acids in school and college laboratories. Middle-school science and senior secondary chemistry classes use the 500 gm pack, which is analytical reagent grade and comes with an MSDS. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, a school laboratory equipment supplier in India that also stocks everyday reagents.

Specifications

Parameter	Detail
Product	Sodium Bicarbonate (sodium hydrogen carbonate)
Capacity	500 gm
Grade	Analytical reagent
Supplied with	MSDS
Shelf life	Shelf life depends on the chemical, its grade and storage conditions; ask us for the expiry date of the batch you are quoted.
Product code	SCL-951/218
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is Sodium Bicarbonate Used For?

Younger classes add sodium bicarbonate to vinegar or dilute acetic acid in a flask and capture the carbon dioxide in a balloon stretched over the neck, then bubble the gas through lime water to see it turn milky. Older students heat the solid in a dry test tube to show thermal decomposition, and use a sodium bicarbonate solution as the standard test for carboxylic acids, which give brisk effervescence while phenols do not. The same reaction lies behind models of soda-acid fire extinguishers and explains how baking powder makes dough rise, and the reaction of baking soda with vinegar features in many STEM science kits in India.

Because it is only mildly alkaline, a saturated sodium bicarbonate solution is also kept near the acid shelf for neutralising small acid splashes on benches, after which the area is rinsed with water. Keep the pack sealed and dry, since damp powder cakes and slowly loses carbon dioxide. Although low in hazard, the dust can irritate eyes, so goggles are still sensible during heating experiments.

Supplier

Sodium Bicarbonate is supplied by **Jain Scientific Equipments Private Limited**, whose trading name is ScienceLab, from Ambala, Haryana, India. The company provides common reagents like this so that schools and colleges can add them to the same order as their flasks, gas jars and other apparatus, for delivery in India and international markets. More is available on our [company profile](https://scilabexport.com).

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