

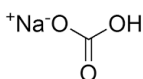
Office:

Tomás Diago 748
 Montevideo – Uruguay
 Tel.: +598 2710 4348 – 2710 6351
 Fax: +598 2711 7516
 Email: sales@dirox.com.uy
 Web: www.dirox.com.uy

**Plant:**

National Route N° 1 Km. 48
 Libertad – San José - Uruguay
 Tel.: +598 4345 4186 - 4256
 Fax: +598 4345 4255
 Email: secretarialib@dirox.com.uy
 Web: www.dirox.com.uy

Sodium Bicarbonate – Technical Grade



Sodium Bicarbonate - Sodium hydrogen carbonate; Baking soda; Sodium hydrogencarbonate; Sodium acid carbonate

CHEMICAL CHARACTERISTICS

CAS N°:	144-55-8
EINECS N°:	205-633-8
Molecular Formula:	NaHCO ₃ or CHNaO ₃
Molecular Weight (g/mol):	84.006
Physical Description:	Odorless white crystalline powder or colorless crystals
Melting Point (°C):	Decomposes around 50 °C
Insoluble matter in water tests:	Passes the tests according to GOST 2156-76

TECHNICAL PROPERTIES

Mass fraction of Sodium Bicarbonate, NaHCO ₃ , not less than %	99.3 % min
Mass fraction of Sodium Carbonate, Na ₂ CO ₃ , not more than %	0.7 % max
Mass fraction of ammonium salts in terms of NH ₄ ⁺ , not more than %	0.001
Mass fraction of Calcium (Ca), not more than %	0.05
Mass fraction of Chlorides calculated as NaCl, not more than %	0.04
Mass fraction of Sulfates calculated as SO ₄ ²⁻ , not more than %	0.02
Mass fraction of Iron (Fe), not more than %	0.005
Mass fraction of moisture, not more than %	0.2
Arsenic, As, not more than mg/kg	3.0
Lead, Pb, not more than mg/kg	5.0
Mercury, Hg, not more than mg/kg	1.0

APPLICATION

Chemical industry – production of dyes, foam plastics and other organic products, fluoric reagents, household chemistry, fire extinguisher fillers.
 Light industry – in production of sole rubber and artificial leather, leather making (leather tanning and neutralization), textile industry (finishing silk and cotton fabrics).
 Medical and pharmaceutical industry – production of medicines, biologically active supplements, hemodialysis.
 About 50 % of sodium bicarbonate is used for household purposes: as leaven for home baking and confectionary products, as detergents, for medical purposes (expectorants, heartburn remedies) and many other purposes.



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PACKING & STORAGE

Sodium bicarbonate is packed in 25 kg polypropylene bags, four-layer 25 kg paper bags with polyethylene liner, one-time use special big bag containers (4 sling) with a maximum mass of 1.0 – 1.2 ton.
Sodium bicarbonate is stored in the manufacturer's packaging in dry heated storage rooms on wooden shelves or pallets at a temperature of 10°C to 30°C, relative humidity of 70%.

GUARANTEED SHELF LIFE

Recommended shelf life of sodium bicarbonate is 24 months (GOST 2156-76) from the manufacture date.
No expiry date when stored according to requirements.

TRANSPORT

Sodium bicarbonate can be transported by all types of transport (except aviation) in covered vehicles in accordance with Goods Transport Rules applicable for this vehicle type.

CERTIFICATION

Sodium bicarbonate is registered in accordance with requirements of EC REACH regulations, registration number 01- 2119457606-32-0019.

By more information contact to: sales@dirox.com.uy

