

Caustic Sosa in Flakes

14.01.2015 (update date)
Rev 09

CAS N°: 1310-73-2 EINECS N°: 215-185-5 Molecular weight: 400 Appearance/color: white Odor: odorless

Physical properties

Sodium hydroxide wt%	≥99.5%	Nickel (Ni ²⁺) ppm por wt	≤ 5.0
Sodium carbonate (Na ₂ CO ₃) wt%	≤ 0,40%	Manganese (Mn ²⁺) ppm por wt	≤ 4.0
Sodium sulfate (Na ₂ SO ₄) ppm por wt	≤ 200	Silicate (SiO ₂) ppm por wt	≤ 20
Iron (Fe) ppm por wt	≤ 15	Insolubles in water ppm por wt	≤ 200
Sodium Chloride (NaCl) ppm por wt	≤ 200	Melting point	318°C
Copper (Cu ²⁺) ppm por wt	≤ 4.0	Boiling point	1390°C
Vapor density (aire =1)	No aplica	Bulk density	0.85
Vapor pressure @ 60°F	No aplica	Water solubility to 20°C	Highly soluble

General information

Sodium hydroxide flakes manufactured at a concentration greater than 99.6 on a dry basis. It does not contain more than 200 ppm of chloride such as NaCl and 200 ppm of total sulfates.

It is used in a wide range of applications as a reagent in the manufacture of other sodium compounds, using in the extraction of aluminum oxide from bauxite, in the production of soaps and detergents, in the textile industry for the mercerization of fibers that allows increased tensile strength and luster, and production of viscose rayon, in petroleum and drilling for pH control in drilling muds and as a bactericide and calcium remover, used in paper and pulp industries, in food industries, oil refining oil, etc.

Manipulation and storage

Use the proper balance of personal protection. This product can be added slowly to water or acids with dilution and constant stirring to avoid a violent exothermic reaction. Full protective clothing must be worn. Avoid contact with aluminum, tin, zinc and alloys containing these metals. Do not mix with strong acids without diluting and stirring to avoid violent or explosive reactions (boiling and splashing). Do not remove or deface labels or labels on containers. Always empty and clean containers of all residue before adding product to avoid a possible explosive reaction caused by the product and an unknown residue.

Packaging

They are packed in 25kg HDPE bags and palletized.

Safety precautions

Avoid contact of the caustic with any part of the body, as it is corrosive. Avoid letting fumes and dust come into contact with your body and eyes or inhale them. Wear rubber or PVC gloves to protect your face, chemical goggles to protect your eyes from fumes and vapors, PVC suit.

**We hereby certify that the products conform to the following specifications.