

CAUSTIC SODA PEARLS

Last revision 2011

Chemical Name: Molecular formula: NaOH
 No.CAS 1310-73-2
 Abbreviation: Caustic Soda

General Description:

Caustic soda pearls is obtained from electrolytic sodium hydroxide - technical grade.
 It is a solid white, hygroscopic, odorless substance.

Caustic soda pearls easily dissolves in water, with heat release. The product is soluble in methyl and ethyl alcohols.

Sodium hydroxide is a strong electrolyte (completely ionized both in crystalline and solution states). Sodium hydroxide is not volatile, but it rises easily in air as aerosols. It is insoluble in ethyl ether.

Technical Quality Conditions:

Characteristics	MU	Values	Test methods
Appearance	-	pearls	visual
Sodium hydroxide (NaOH), min.	%	99	STAS 3068
Sodium carbonate (Na ₂ CO ₃), max.	%	0.7	STAS 3068
Sodium chloride (NaCl), max	%	0.10	STAS 3068
Iron oxides (Fe ₂ O ₃), max.	%	0.004	STAS 3068

Specific Properties:

pH	strongly alkaline
Boiling point	1390°C
Ignition temperature	not ignitable
Relative density (water=1)	2.13 at 25°C
Melting point	318°C

The values of those characteristics are approximated, and are only for general information and are not part of the technical quality conditions.

Main Applications:

- oil industry
- petrochemical industry
- aluminum industry
- pulp and paper industry
- soap and detergents industry
- chemical industry (for the manufacturing of dyestuff, phenol, phosphates, sodium hypochlorite, polycarbonates, zeolites etc.)
- food industry
- pharmaceutical industry
- water treatment (softening, demineralization)
- textile industry at the manufacturing of cellulose fibers by viscose process

Packaging and storage:

Caustic Soda flakes is packed in palletized polyethylene bags of 25 kg (permissible variation ± 0.2 kg) and in 1 ton (permissible variation ± 5 kg) bags made of polypropylene lined with polyethylene. Caustic soda storage is provided in dry warehouses.

Safety Information:

Caustic Soda is a corrosive product.

Before handling and using of product, the personnel must be aware of the dangers implied. This information is available in MSDS and on the product label.

Warning:

Please contact OLTCHIM to see if the document has been revised and for any other additional information related to the product.

Important:

For a better suitability of the product for your particular purpose, tests are recommended prior product use. You are advised to make your own determination as to safety, appropriate manner of handling, storage, use and disposal. All the information contained in this product technical sheet is offered for your consideration, investigation and verification. The data is presented in good faith and is believed to be reliable. You should not consider the descriptions, information, data or design as a part of our terms and conditions of sale. We expressly disclaim responsibility or liability for any loss, damage or expense arising out of reliance on the information provided herein.