



## TECHNICAL SHEET

# CAUSTIC SODA FLAKES

Last revision 2018

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

### General Description:

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

It dissolves easily in the water with heat release. The product is soluble in methyl alcohol and ethyl alcohol.

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

### Technical Quality Conditions:

Characteristics	MU	Values	Test methods
Appearance	-	flakes	visual
Sodium hydroxide (NaOH), min.	%	98	STAS 3068
Sodium carbonate (Na <sub>2</sub> CO <sub>3</sub> ), max.	%	0.7	STAS 3068
Sodium chloride (NaCl), max	%	0.15	ASTM E 291
Iron oxides (Fe <sub>2</sub> O <sub>3</sub> ), 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, in the refining of the oil products
- chemical industry, in the manufacturing of dyes
- aluminum metallurgy
- in rubber reclaiming
- in the drying and decarbonization of gases
- detergents manufacturing
- pulp industry in the chemical treatment of wood
- soap industry
- production of textile cellulose fibers by viscose process



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**Packaging and storage:**

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

**Safety Information:**

Caustic Soda flakes is a corrosive product.

Before handling and using of product, the personnel must be aware of the dangers implied. This information is available in several forms, such as SDS and product labels.

**Warning:**

Please contact CHIMCOMPLEX BORZESTI-Ramnicu Valcea Branch to see if the document has been revised and for any other additional information related to the product.

**Important:**



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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.