

## CAUSTIC SODA FLAKES

CAS Nº 1310-73-2 - EINECS Nº: 215-185-5

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Rev 0

### Physical Properties

Sodium Hydroxide	wt%	≥ 99.5
Carbonate (Na <sub>2</sub> CO <sub>3</sub> )	wt%	≤ 0.40
Sulphate (Na <sub>2</sub> SO <sub>4</sub> )	ppm por wt.	≤ 200
Iron	ppm por wt.	≤15
Chloride (NaCl)	ppm por wt.	≤200
Copper (Cu <sup>+2</sup> )	ppm por wt.	≤ 4.0
Nickel (Ni <sup>+2</sup> )	ppm por wt.	≤ 5.0
Manganese (Mn <sup>+2</sup> )	ppm por wt.	≤ 4.0
Silicate (SiO <sub>2</sub> )	ppm por wt.	≤ 20
Water insolubles	ppm por wt.	≤ 200
Appearance/Colour		White Flakes
Odour		No distinct odour
Molecular Weight		400
Melting point		318°C
Boiling point		1390°C
Bulk density		0.85
Vapour density (air =1)		Not Applicable
Vapour pressure @ 60°F		Not Applicable
Solubility in water at 20°C		Highly soluble - 111g/100 ml
Alkalinity of solutions		1% or more

### General Information

Sodium -hydroxide flakes manufactured at a concentration of above 99.6 dry basis. It contains not mor that 200 ppm Chloride as NaCl and 200 ppm total sulphates.

It is use in a wide range of applications as a reactant in the manufacture of other sodium compounds, used in the extraction of aluminium oxide from bauxite, in production of Soap and Detergent, in textile industry for mercerising of fibre enabling greater tensional strenght and consistent luster, and production of viscose rayon, in oil and drilling in for control of pH in drilling muds and as a bactericide and calcium remover, used in paper and pulp industries, in Food industries, oil petroleum refininf, etc.

### Handling and storage

Wear proper personal protection equipment. This product may be added slowly to water or acids with dilution and constant stirring to avoid a violent exothermic reaction. Full protective clothing should be worn. Avoid contact with aluminium, tin, zinc, and alloys containing these metals. Do not mix with strong acids without dilution and agitation to prevent violent or explosive reaction (boiling and spattering). Do not remove or deface label or tags from the containers. Always empty and clean containers of all residues before adding product to avoid potential explosive reaction caused by product and unknown residue. Returnable containers should be shipped in accordance with supplier's recommendations.

### Packaging

Pached in HDPE bags of 25 kg and are palletized

### Safety precautions

Avoid contact of caustic with any part of the body, as it is corrosive. Avoid fumes and dust contacting the body and eyes or inhaling. Use rubber or PVC gloves to protect your face, chemical goggles to protect your eyes from fumes and vapors, PVC suit to protect your bony and gum boots or rubber safety shoes to protect your feet.

\* We hereby certify that the goods are conforming to the following specifications