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CAUSTIC SODA FLAKES Grade A

Caustic soda (Sodium hydroxide) is a white, odorless, and solid inorganic compound chemical. It is non-volatile and has high corrosive properties, which easily absorb air moisture. And it's one of the most important industrial chemicals. Its water solution has numerous applications in different industries because of its highly caustic base and alkalescence. Sodium hydroxide, with the formula NaOH, also known as lye and caustic soda, is a popular strong caustic base.

Item	Characteristic	Unit	Value	Desc.
1	Physical State	-	Solid	-
2	Molecular Weight	g/mol	40	-
3	Appearance	-	White flakes	-
4	Vapor Pressure	mmHg	1	739 °C @
5	Odor	-	Odorless	-
6	PH	-	14	@ 5% aq soln
7	Boiling Point	°C	1390	@ 760 mmHg
8	Freezing/Melting Point	°C	318	-
9	Solubility in water	g/l	420	@ 20 °C
10	Density	g/cm ³	2.13	-

Chemical Formula	NaOH
CAS #	1310-73-2
UN #	1823

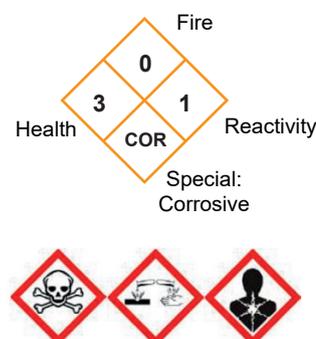


Item	Properties	Test Method	Value	Accepting Limit	Test Results
1	NaOH	ASTM D-3875	%W	Min 99	
2	NaCl	ASTM D-3875	%W	Max 0.01	
3	Na ₂ CO ₃	ASTM D-3875	%W	Max 1	
4	Fe	ASTM D-3875	mg/kg	Max 30	
5	Na ₂ SO ₄	ASTM D-516	%W	Max 0.01	
6	SiO ₂	ASTM D-859	%W	Max 0.02	
7	Al ₂ O ₃	ASTM D-3875	mg/kg	Max 20	
8	Insoluble In water	ASTM D-3875	%W	Max 0.1	
9	Heavy Metal(Pb)	ASTM D-3875	mg/kg	Max 20	

HAZARD IDENTIFICATION

Danger! Causes eye and skin burns. Causes digestive and respiratory tract burns. Hygroscopic (absorbs moisture from the air).

- EXTREMELY CORROSIVE
- Fatal if inhaled.
- Avoid to swallowed.
- Causes severe skin burns and eye damage.
- Can cause blindness, permanent scarring and death.
- Toxic if swallowed and in contact with skin
- Suspected of damaging the unborn child.
- Suspected of causing genetic defects.
- May cause damage to cardiovascular, respiratory, nervous, and gastrointestinal systems and liver and blood through prolonged or repeated exposure.
- Harmful to aquatic life.



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CAUSTIC SODA FLAKES Grade B

Caustic soda (Sodium hydroxide) is a white, odorless, and solid inorganic compound chemical. It is non-volatile and has high corrosive properties, which easily absorb air moisture. And it's one of the most important industrial chemicals. Its water solution has numerous applications in different industries because of its highly caustic base and alkalescence. Sodium hydroxide, with the formula NaOH, also known as lye and caustic soda, is a popular strong caustic base.

Item	Characteristic	Unit	Value	Desc.
1	Physical State	-	Solid	-
2	Molecular Weight	g/mol	40	-
3	Appearance	-	White flakes	-
4	Vapor Pressure	mmHg	1	739 °C @
5	Odor	-	Odorless	-
6	PH	-	14	@ 5% aq soln
7	Boiling Point	°C	1390	@ 760 mmHg
8	Freezing/Melting Point	°C	318	-
9	Solubility in water	g/l	420	@ 20 °C
10	Density	g/cm ³	2.13	-

Chemical Formula	NaOH
CAS #	1310-73-2
UN #	1823

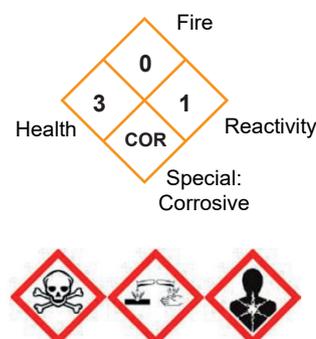


Item	Properties	Test Method	Value	Accepting Limit	Test Results
1	NaOH	ASTM D-3875	%W	Min 98	
2	NaCl	ASTM D-3875	%W	Max 0.01	
3	Na ₂ CO ₃	ASTM D-3875	%W	Max 1	
4	Fe	ASTM D-3875	mg/kg	Max 30	
5	Na ₂ SO ₄	ASTM D-516	%W	Max 0.01	
6	SiO ₂	ASTM D-859	%W	Max 0.02	
7	Al ₂ O ₃	ASTM D-3875	mg/kg	Max 20	
8	Insoluble In water	ASTM D-3875	%W	Max 0.1	
9	Heavy Metal(Pb)	ASTM D-3875	mg/kg	Max 20	

HAZARD IDENTIFICATION

Danger! Causes eye and skin burns. Causes digestive and respiratory tract burns. Hygroscopic (absorbs moisture from the air).

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PACKAGING, TRANSPORT & SAFE HANDLING

Caustic soda flake packing have different kind but there is very important item that must noted, this item is transporting and storing the sodium hydroxide flake if packing of sodium hydroxide flake have low quality the moisture of weather will penetrate into sodium hydroxide packing so the caustic soda flake will stick together and will turn into lump mode so the quality of sodium hydroxide flake will reduce and would not be use able after a little time.

Sodium hydroxide flake packing must be from two ply laminated polypropylene bags that sealed completely with strong polyester yarn, if using normal yarn for sealing the bags after a little time sodium hydroxide flake will solve the yarn. Best Packing of Caustic soda flake would be 25 kg PP bags and for keeping away from injuries when transporting its better putting 25 kg bags in Jumbo bags.

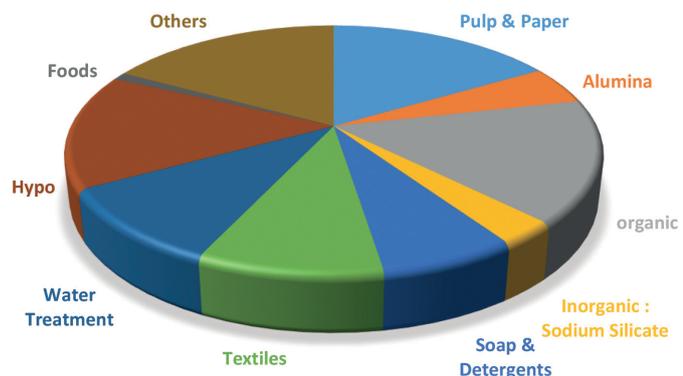
- Jumbo Bags (each has the weight of 1 MT)
- PP/PE Bags (each has the weight of 25 Kg)
- PE Drums (each has the weight of 5 Kg)



APPLICATIONS

Caustic soda flake, or sodium hydroxide, mostly used by industry and chemical manufacturing companies. Some fields caustic soda use for :

- Pulp & Paper
- Refineries Alumina
- plastic wrap
- Soaps and cleaners
- Detergent
- Textile processing
- Oil refining
- Water treatment
- Metal processing



we are exporting flake caustic soda to many destinations all over the world, such as Middle east, African and Europe countries, by the best quality and the most competitive price.

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