

SODIUM HYPOCHLORITE SOLUTION

NaOCl

Specifications	TİP-1	TİP-2	Test Method
Appearance	Clear, greenish yellow liquid	Clear, greenish yellow liquid	Visual
Active Chlorine Content	15.0 - 16.0% (m/v)	17.0 - 19.0% (m/v)	Titrimetric
Total Chlorine Content	Active Chlorine Max. 10% more	Active Chlorine Max. 10% more	Titrimetric
NaOH Content	0.7 - 1.1% (m/v)	0.7 - 1.1% (m/v)	Titrimetric
Na ₂ CO ₃ Content	Max. 0.4% (m/v)	Max. 0.4% (m/v)	Titrimetric
Sediment	None	None	Visual
Stability (24 hour, 35°C)	Max. 7 g Chlorine/L	Max. 7 g Chlorine/L	Titrimetric
Iron (Fe) Content	Max. 0.2 ppm	Max. 0.2 ppm	Colorimetric
Density (20°C)	1,210 gr/cm ³	1,230 gr/cm ³	Densimetric

PRODUCT DESCRIPTION

*Physical and Chemical Properties:

- Has characteristic smell.
- Sodium Hypochlorite solutions can easily decompose.
- Stability can be provided by sodium hydroxide excess. Although excess sodium hydroxide, all sodium hypochlorite solutions decomposes slowly by time. The amount of Oxygen gas coming up is a result of stability. The decomposing conditions and decomposing speed are related to lots of parameters. But the most important ones are given below:

Hypochlorite concentration
Temperature
Light
Metal impurities in material

- High concentrated hypochlorite solutions decompose faster the low concentrated hypochlorite solutions. Temperature and light fasten the decomposition.
- The impurities such as copper, nickel, cobalt, iron metals cause decompositions by excreting oxygen.

APPLICATION

- Liquid bleach production
- Textile industry (bleaching process)
- Disinfection and cleaning processes
- Waste water refining
- Chlorination of water
- Paper industry
- Treatment of water intended for potable and human consumption

PACKAGING, STORAGE & SHELF LIFE

Delivered in polyethylene and rubber coated steel tankers in bulk form.

Due to corrosive effect of sodium hypochlorite on metals, tanks manufactured from PVC. High density polyethylene or appropriate rubber coated carbon steel may be used for storage.

Sodium hypochlorite solutions decompose easily under presence of heat, light, impurities ad heavy metal cations. Therefore, these issues should be considered when preparing storage conditions, storage temperature should not be over 30°C, product should net be subjected to direct sunlight and ingress of impurities should be prevented.



It is recommended to be kept in closed container and used with 15 days from the date of production.

Note: Its reaction with acids will yield suffocating chloride gas, therefore this issue should be especially considered in storage. Personal protective equipment must be used in all operations.

SAFETY & PRECAUTIONS

Please refer to SDS before handling for safe use and regulatory information. You can contact your sales representatives to obtain SDS.

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