



## Technical data sheet

### HypoChlor

### Sodium hypochlorite solution (12 to 14%)

#### Description

HypoChlor is a commercial grade of sodium hypochlorite. It is an aqueous solution (between 10 and 16%) and has numerous industrial applications over a wide range of industries. These include potable and waste water treatment, textiles and paper production processes.

HypoChlor is a viscous liquid, pale yellowish green in colour and with a distinctive chlorine like odour.

#### Typical uses

The product has powerful bleaching and disinfecting properties. Common applications are:

- Textile manufacturing - as a bleaching agent.
- Pulp and paper industries - as a bleaching agent.
- Paper recycling.
- Potable water treatment - as a disinfecting agent
- Wastewater processing - as odour control and as a disinfectant, Swimming pools - as a sterilising agent.
- Process and cooling water treatment plants as a disinfecting agent.
- Many diverse uses in the production of chemical intermediaries.

Chemical formula:	NaOCl
Specific gravity (@ 20oC):	1.198
Solubility:	Miscible in water
pH:	11 to 13
Viscosity at 20oC:	Non viscous
Vapour pressure (@ 21oC):	12 mmHg
Molecular weight:	74.4 g/mol

#### Physical characteristics

Green to yellow watery liquid with a pungent chlorine-like odor.

#### Safeguards during use

Always refer to the Material Safety Data Sheet for full information regarding hazards and safeguards. Personnel should be correctly trained in the use of HydrChlor CG before use.

HypoChlor is a corrosive and oxidizing product. It can cause burns and must be handled with care. If in contact with acids, toxic chlorine gases are liberated.

Equipment, pipes, pumps, valves and metering systems must be constructed of resistant materials. It is important that equipment which is expected to come into direct contact with HypoChlor does not contain stainless steel.

During use, care should be taken to protect skin and eyes, and to avoid the inhalation of fumes.

**Skin** wear suitable and approved chemical resistant clothing and protective gloves (PVC or rubber are most appropriate for workers who are handling or using this product over prolonged periods).

**Eyes** face shields and approved protective splash-proof goggles should be worn wherever air-borne mist of HypoChlor may occur or in any circumstance that might give rise to splashing.

**Inhalation** Proper ventilation control should always be in place. Always use approved respirators if there is any doubt about the effectiveness of the environmental control or where air-borne mist is likely to occur. Such respirators should be full-face type suitable for use with chlorine.

Always refer to the Material Safety Data Sheet prior to using the product and if in any doubt about the appropriate procedures that must be in place during the handling and use of sodium hypochlorite.

Continued overleaf >

Visit IICP at [www.icpglobal.com](http://www.icpglobal.com)

Chemical solutions for the 21st century



ISO 9001:2015

ISO 14001:2015

ISO 45001:2018

Updated in Jan. 2015



## International Industrial Chemical Park S.A.E

### Technical data sheet

#### HypoChlor

#### Sodium hypochlorite solution (12 to 14%)

#### Availability and technical advice

International Industrial Chemical Park SAE is based in Alexandria and manufactures high quality chemical intermediaries in a state-of-the-art, computer-managed factory. It manufactures products for home and export markets.

#### Important information

Users should ensure that this is the most recent issue of the data sheet- if in doubt, contact the Company and quote the reference number on the sheet. International Industrial Chemical Park SAE products are manufactured to the highest standards and information contained within this data sheet is accurate to the best of its knowledge. No warranty or guarantee is given or implied since the conditions of use are unknown and beyond the Company's control. The user should seek the Company's advice where any doubts about suitability exist. The information contained herein is governed by the company's Conditions of Trade, a copy of which can be found on the Company's website. Further copies are freely available. Users are advised to familiarize themselves with the Company's Conditions of Trade. HypoChlor is available from International Industrial

Chemical Park SAE at the address shown below.

For technical advice or to place orders, please contact:

International Industrial Chemical Park SAE.,

P. O. Box No. 103,

New Borg al Arab City,

Zone 4, Block 26,

Alexandria, Egypt

Tel: + (20) 3 4628105

Fax: + (20) 3 4628106

E-MAIL:

[Marketing@IICPGLOBAL.COM](mailto:Marketing@IICPGLOBAL.COM)

Website: [www.iicpglobal.com](http://www.iicpglobal.com)

Visit IICP at [www.iicpglobal.com](http://www.iicpglobal.com)

Chemical solutions for the 21st century



ISO 9001:2015

ISO 14001:2015

ISO 45001:2018

Updated in Jan. 2015