

# Hydrochloric Acid

## VESTOLIT Base Chemicals

Hydrochloric acid (30 % aqueous) is a clear, colourless to light yellow liquid. Our hydrochloric acid is used in a number of industries in various applications, e. g. for the pickling of metals, for the recovery of chlorine by electrolysis, for metallurgy and treatment of ores, for regeneration of ion exchangers. Also, it fulfils the purity criteria for products for treatment of water for human use according to DIN EN 939.

### Classification

- Hydrochloric acid 30–32 % HCl
- CAS-No. 7647-01-0 (HCl)
- Molar mass: 36.46 g/mol

### Applications

- Chemical industry
- Food industry
- Metal-working industry
- Water treatment

### Delivery data

Properties	Method <sup>1)</sup>	Unit	Value
Concentration hydrogen chloride (HCl)	DIN EN 939	% (m)	30-32
Sulphate (SO <sub>4</sub> <sup>2-</sup> )	DIN EN ISO 10304	mg/kg	≤ 50
Iron (Fe)	DIN EN ISO 11885	mg/kg	≤ 2
Alcaline earth as Calcium (Ca)	DIN EN ISO 11885	mg/kg	≤ 10
Active Chlorine (Cl <sub>2</sub> )	DIN EN 939	mg/kg	≤ 1
Chlorinated organic compounds	DIN EN 939	mg/kg	≤ 3

<sup>1)</sup> based on the standard which are in force

## Physical Data (Literature information)

Characterization	Concentration	Unit	Value
Boiling temperature at 1,013 hPa	30-32 %	°C	approx. 108
Density at 20 °C	30-32 %	kg/m <sup>3</sup>	approx. 1,150
Dynamic viscosity at 20 °C	30-32 %	mPa s	1.7
Vapor pressure at 20 °C	30-32 %	hPa	21.3
Melting point at 1,013 hPa	30-32 %	°C	approx. -50

Safety and transport information and toxicologic data are included in our actual material safety data sheet (MSDS). For further information and advice, please contact our representatives or technical service at [Customer-Service.Europe@vestolit.com](mailto:Customer-Service.Europe@vestolit.com).