

# HYDROCHLORIC ACID MIN. 33%

<b>CHEMICAL NAME</b>	Hydrochloric acid
<b>CAS</b>	7647-01-0
<b>TECHNICAL REQUIREMENTS</b>	Appearance ..... transparent, colorless to yellow liquid Hydrogen chloride [% (m/m)] ..... min. 33 Iron (Fe) [mg/kg] ..... max. 5 Arsenic (As) [mg/kg].....max. 0.05 Free chlorine [mg/kg]..... max. 5 Sulphuric acid as SO <sub>4</sub> <sup>2-</sup> [mg/kg] .....max. 100 Heavy metals precipitated by hydrogen sulphide as Pb <sup>2+</sup> [mg/kg] ..... max. 5 Organic compounds ..... max. 5

\* parameter determined on customer's request

<b>INFORMATIVE DATA**</b>	Solubility in water ..... unlimited Other solvents .....ethanol, ethyl ether Density at 20°C [g/cm <sup>3</sup> ] ..... 1.16 – 1.17 Initial boiling point [°C]..... above 80 Solidification point [°C] ..... below -40 Molecular weight [g/mol] .....36,5 Odour ..... pungent, suffocating
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\*\* These informative data are not technical requirements and cannot form the basis for any claims.

**USE**

Water treatment agent.  
 Intermediate in the production of chemicals, soaps and detergents, pharmaceuticals, cosmetics, plant protection products.  
 PH regulator, flocculant, neutralizing agent.  
 Application as a washing and cleaning product.  
 Application as a laboratory reagent.  
 Application in welding and soldering products.

The information contained herein is provided in good faith, based on our state of the art knowledge and experience. The consistency of parameters refers to delivered product with the present specification and also its usefulness to deliberate purposes must be checked before use. We reserve the right to amend this Technical Specification as a result of technological progress and product development by the manufacturer.

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