

# SYNTHETIC HYDROCHLORIC ACID 33%

<b>CHEMICAL NAME</b>	Hydrochloric acid
<b>CAS NUMBER</b>	7647-01-0
<b>TECHNICAL REQUIREMENTS</b>	<p>Appearance ..... transparent, yellowish liquid</p> <p>Hydrogen chloride, % (m/m) ..... Min. 33</p> <p>Available chlorine*, mg/kg..... Max. 10</p> <p>Iron (Fe)*, mg/kg ..... Max. 5</p> <p>Sulphuric acid as SO<sub>4</sub><sup>2-</sup>*, mg/kg ..... Max. 100</p> <p>Arsenic (As)*, mg/kg ..... Max. 0,05</p> <p>Heavy metals precipitated with H<sub>2</sub>S as Pb<sup>2+</sup>*, mg/kg ..... Max. 10</p> <p>* parameter determined on customer's request</p>
<b>GENERAL DATA</b>	<p>Solubility in water ..... unlimited</p> <p>Other solvents ..... ethanol, ethyl ether</p> <p>Density at the temperature. 20°C, g/ml ..... 1,16-1,18</p> <p>Boiling point, °C ..... above 60</p> <p>Solidification point, °C ..... below -30</p> <p>Molecular mass ..... 36,5</p>
<b>APPLICATION</b>	Used in the energy industry for the regeneration of ion exchangers, in industrial water treatment processes for pH regulation, in the production of industrial chemicals, agrochemicals, household chemicals, descaling and disinfectants. Used in galvanizing and zinc-plating processes, tanning, textile industry, production of biofuels. , oils and lubricants, manufacturing of chemicals in animal breeding as well as in manufacturing of lubricants and functional fluids.