

HYDROCHLORIC ACID TECHNICAL GRADE 31%

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| CHEMICAL NAME | Hydrochloric acid |
| CAS NUMBER | 7647-01-0 |
| TECHNICAL REQUIREMENTS | <p>Appearance.....transparent, colorless to yellow liquid</p> <p>Hydrogen chloride, % (m/m)min: 31</p> <p>Iron (Fe), mg/kg.....max. 50</p> <p>Available chlorine, mg/kgmax. 50</p> <p>Volatile organic compounds, mg/kg.....max. 300</p> |
| GENERAL DATA | <p>Molar mass, g/mol.....36,5</p> <p>Solubility in water..... unlimited</p> <p>Other solvents.....ethanol, ethyl ether</p> <p>Density at temp. 20°C, g/cm³.....1,15-1,17</p> <p>Boiling point, °C.....above 70</p> <p>Solidification point, °C.....below -35</p> |
| APPLICATION | <p>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.</p> |