

HYDROCHLORIC ACID 33%

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: 33</p> <p>Iron (Fe), mg/kg.....max. 5</p> <p>Available chlorine, mg/kgmax. 5</p> <p>Sulfates as SO₄²⁻, mg/kg.....max.100</p> <p>Arsenic (As), mg/kg.....max. 0,05</p> <p>Heavy metals precipitated with H₂S as Pb²⁺, mg/kg.....max.5</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.....1,16-1,17</p> <p>Boiling point, °C.....above 80</p> <p>Solidification point, °C.....below -40</p>
APPLICATION	<p>Industrial/consumer use as water treatment chemical. Intermediate: production of chemicals, soaps & detergents, pharmaceuticals, cosmetics, plant protection products. Industrial/professional use as pH-regulator, flocculant, precipitant, neutralization agent. Use as washing & cleaning product. Use as a laboratory chemical. Use in welding and soldering products.</p>