

## Hydrochloric acid, solution 0,5 mol/l (0,5 N)

**Identification**

HCl  
M = 36,46 g/mol  
CAS [7647-01-0]  
EC number: 231-595-7  
Taric code: 2806 10 00

**Applications**

analytical chemistry, titrant in volumetric analysis.




**Specifications**

factor..... 0,999 - 1,001  
uncertainty  $\pm$  0,001

1 ml = 0,018235 g HCl

This volumetric solution was checked by means of potentiometric methods using Scharlau's tris(hydroxymethyl)-aminomethane volumetric standard. Scharlau's volumetric standards are directly traceable to the Standard Reference Materials from NIST (National Institute of Standards and Technology, USA).

**Packaging****Packaging Code**

1 l  AC07451000  
5 l  AC0745005P  
10 l  AC0745010C

**Physical data**

• Density: 1,01 g/cm<sup>3</sup>

**Safety - GHS****Hazard Statements:**

EUH210: Safety data sheet available on request.

**Toxicological data**

• WGK: 0  
• Poison class CH (Swiss): 4

**Transport/storage**

• ADR: 8 C1 III • UN 1789 • HYDROCHLORIC ACID  
• IMDG: 8 III • UN 1789 • HYDROCHLORIC ACID  
• IATA/ICAO: 8 III • UN 1789 • HYDROCHLORIC ACID  
• PAX: 819  
• CAO: 821  
• Store between 15°C and 25°C