

**Identification**

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

**Synonyms**

Hydrogen chloride solution, Muriatic acid





**Applications**

laboratory reagent, acidifying agent, in the production of chlorides, synthesis of organic products, in pharma industry.

**Specifications**

assay (acidimetric).....	35 - 39 %	heavy metals (as Pb).....	max. 0,0002 %
identification.....	passes test	residue on evaporation.....	max. 0,01 %
appearance of solution.....	clear and colourless	Residual solvents are analysed	
free chlorine (as Cl).....	max. 0,0004 %	according to guideline	
sulfates (SO <sub>4</sub> ) .....	max. 0,002 %	CPMP/ICH/283/95.	

**Packaging****Packaging Code**

1 l  AC07561000  
2,5 l  AC07562500  
5 l  AC0756005P  
25 l  AC0756025P

**Physical data**

- Density: ~ 1,19 g/cm<sup>3</sup>
- Solub. in water: (20 °C): miscible
- Melting point: -28 °C
- Boiling point: ~ 50 °C
- Vapour pressure: (20 °C) ~ 190 hPa
- pH(20 °C) < 1

**Safety - GHS**

**Signal Word:** Danger

**Hazard Statements:**

- H314: Causes severe skin burns and eye damage.  
H335: May cause respiratory irritation.

**Precautionary Statements:**

- P260: Do not breathe dust / fume / gas / mist / vapours / spray.  
P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P321: Specific treatment (see on this label).  
P405: Store locked up.  
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

**Toxicological data**

- MAK: 2 ml/m<sup>3</sup>, 3,0 mg/m<sup>3</sup>
- WGK: 1
- Poison class CH (Swiss): 2

**Transport/storage**

- ADR: 8 C1 II • UN 1789 • HYDROCHLORIC ACID
- IMDG: 8 II • UN 1789 • HYDROCHLORIC ACID
- IATA/ICAO: 8 II • UN 1789 • HYDROCHLORIC ACID
- PAX: 809
- CAO: 813
- Store below 25°C