

**Hydrochloric acid, concentrated solution to prepare 1 l of solution 1 mol/l (1 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, laboratory reagent, titrant in volumetric analysis.

**Specifications**

amount of substance: 36,460 g HCl

concentrated solution..... 5 mol/l  $\pm$  0,1 %

**Physical data**

- Density: ~ 1,09 g/cm<sup>3</sup>
- Solub. in water: (20 °C): miscible
- 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.  
P310: Immediately call a POISON CENTER or doctor / physician.  
P405: Store locked up.  
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

**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
- 15°C - 25°C