

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 %

Packaging**Packaging Code**

u.  AC074300PA

Physical data

- Density: ~ 1,09 g/cm³
- 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.
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/m³, 3,0 mg/m³
- 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 between 15°C and 25°C