

Hydrochloric acid, solution 5 mol/l (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, laboratory reagent, titrant in volumetric analysis, for the analysis of: fats.

Specifications

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

1 ml = 0,18235 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  AC07491000

Physical data

- Density: 1,08 g/cm³
- Solub. in water: (20 °C): miscible
- pH(20 °C) < 1

Safety - GHS

Signal Word: Warning

**Hazard Statements:**

- H315: Causes skin irritation.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.

Precautionary Statements:

- P261: Avoid breathing dust / fume / gas / mist / vapours / spray.
P280: Wear protective gloves / protective clothing / eye protection / face protection.
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

- WGK: 1
- Poison class CH (Swiss): 3

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