

Identification

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

Synonyms

Hydrochloric acid fuming, Muriatic acid, Hydrogen chloride solution





Applications

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

Specifications

assay (acidimetric).....	36,5 - 38,0 %	heavy metals (as Pb).....	max. 0,0005 %
identification	passes test	mercury (Hg).....	max. 0,000004 %
appearance of solution.....	passes test	residue on ignition (as SO ₄).....	max. 0,008 %
bromine or chlorine.....	passes test	residue on evaporation.....	max. 0,01 %
bromide or iodide.....	passes test	Residual solvents are analysed	
free bromine or chlorine.....	passes test	according to guideline	
free chlorine (as Cl).....	max. 0,0004 %	CPMP/ICH/283/95.	
sulfates (SO ₄)	max. 0,002 %		
sulfates (SO ₄)	passes test		
sulfites (SO ₃)	passes test		
arsenic (As).....	max. 0,0001 %		

Packaging**Packaging Code**

1 l  AC07361000
2,5 l  AC07362500
5 l  AC0736005P
25 l  AC0736025P

Physical data

- Density: ~ 1,19 g/cm³
- 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/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 below 25°C