



**PRODUCT CODE: 203378**

**Hydrochloric Acid 25% (E-507, F.C.C.) food grade**

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HCl  
HCl

M.= 36,46 CAS [7647-01-0] EINECS 231-595-7  
TARIC 2806 10 00 00

**SYNONYMS:** Muriatic Acid

**PHYSICAL DATA:** liquid, Clear, Colourless, Miscible with water D 20/4 1,124 · M.P.: -70 C · B.P.: 107 C · pH1 · Vap. press. (20 C) 12 hPa ·

**BIBLIOGRAPHY:** Merck Index **12**, 4.821 13, 4.801 Sax **HHL000** · Rmp **8** , **3672** ·

**HAZARDOUS:**C.E: 017-002-01-X · RTECS: MW 4025000 · LD50 oral rbt 900 mg/kg · LC L0 inh hmn 1300 ppm / 30 min · LC50 inh hmn 3124 ppm / 1h · LC50 rat 3124ppm (V) / 1h · VLA-EC (HCl) 10 ppm15 mg/m3 VLA-ED (HCl) 7,6 mg/m3 VLA-ED (HCl) 5 ppm



H: H290 · H335 · H314 · H318 ·  
P: P234 · P390 · P406 · P264 · P280 · P302+P352 · P321 · P332+P313 · P362 · P305+P351+P338 · P337+P313 · P261 · P271 · P304+P340 · P403+P233 · P312 · P405 · P501 ·

**TRANSPORT REGULATIONS:** UN: 1789 · ADR: 8/II · IMDG: 8/II · IATA: 8/II · PAX: 851 · CAO: 855 · (E) ·

**WEIGHT/VOLUME INFORMATION:** 1l~1,12 kg 1kg~0,89 l

**OBSERVATIONS:** Product controlled as a drug precursor. ·

**SPECIFICATIONS:**

Assay

16 - 16,6 B?

Concentration of HCl	24,5 -25,5 %
Identity :	
Identity Chloride	passes test
Specific gravity	1,124 -1,129
Non-volatile residue , not more than	0,5 %
Reducing substances (as SO <sub>2</sub> ) , not more than	0,007 %
Sulfate (SO <sub>4</sub> ) , not more than	0,5 %
Color	passes test
Oxidizing substances (as Cl <sub>2</sub> ), not more than	0,003 %
Extractable organic compounds: Total org.comp. (Non-Fluorine-cont), not more than	5 ppm
Including:	
Benzene, not more than	0,05 ppm
Fluorinated org. compounds (total), not more than	25 ppm
Arsenic, not more than	1 ppm
Mercury, not more than	0,10 ppm
Lead, not more than	1 ppm
Iron, not more than	5 ppm
Heavy metals (as Pb) , not more than	1 ppm

**Specifications Regulation (UE) n 231/2012 , F.C.C. 12, R.D. 1466/2009**

**For use in foodstuffs according to Regulation (EC) n 1333/2008 and F.C.C.**

Ed.: 1 . Vig.: 02.08.2019 .

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