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**PRODUCT CODE: 201020-10101140**

**Hydrochloric Acid 37%**

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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 1,19 · M.P.: -25 C · B.P.: 85 C · Vap. press. (20 C) 20 hPa ·

**BIBLIOGRAPHY:** Merck Index **13**, 4.801 14, 4.780 Sax **HHL000** · Safety **2** , **1892 D** · Rmp **8** , **3672** · Fieser **4450 5333 6283** · ACS **XI** · ISO 6353-2/1983 R - 13 , 17 · BP.**2020** · USP -**NF 37** · Ph. Eur. **9.0** (2017) **10.0** (2020) · F.C.C **11 12** · BOE **243**(8-10-2009) · Regulation (EU) n 231/2012JP XIII , 423 ·

**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 · VLA-EC (HCl) 10 ppm15 mg/m3 VLA-ED (HCl) 7,6 mg/m3 VLA-ED (HCl) 5 ppm



H: H290 · H335 · H314 ·

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~1,19 kg 1kg~0,84 l

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

**SPECIFICATIONS:**

Assay , not less than	23 B?
Concentration of HCl, not less than	37 %
Identity :	
Identity Chloride	passes test
Specific gravity , not less than	1,19
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

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Prod.: 201020