



PRODUCT CODE: 211020

Hydrochloric Acid 37% technical grade

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** • Römp **8**, **3672** • Fieser **4450 5333 6283** • ACS **XI** • ISO 6353-2/1983 R - 13 , 17 • BP.**2018** • USP -**NF 36** • Ph. Eur. **8.0** (2014) **9.0** (2017) • F.C.C **10 11** • BOE **243**(8-10-2009) • Regulation (EU) n° 231/2012]P 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 (Acidim.)	36,5-39 %
Density at 15/4	1,185-1,195
Ammonium (NH ₄)	0,005%
Sulfate (SO ₄)	0,005%
As	0,0003 %
Fe	0,005 %
Pb	0,005 %

Ed.: 4 . Vig.: 15.01.2011 .

Prod.: 211020