

PRODUCT CODE: 131067

Trichloroacetic Acid (Reag. USP, Ph. Eur.) for analysis, ACS, Biochemica

$C_2HCl_3O_2$

CCl_3COOH



M.= 163,39

CAS [76-03-9]

EINECS 200-927-2

TARIC 2915 40 00 00

SYNONYMS: TCA

PHYSICAL DATA: crystals, White, Soluble in water 1.200 g/l at 20 °C Deliquescent • D 20/4 1,63 • M.P.: 57 - 58 °C • B.P.: 196 - 197 °C • pH(sol. 0.1 M)1,2 • Vap. press. (50 °C) 1 hPa •

BIBLIOGRAPHY: Merck Index **12**, 9.756 13, 9.700 Safety **2**, **3402 C** • Römp **8**, **4341** • Kühn-Birett **T 22** • Ullmann **(5.)6**, 545 • Beilstein **2**, **206 I**, **92 II**, **196 III**, **462 IV**, **508** • BRN 970119 • Fieser 11194 **2425 4520** • ACS **XI** • BP.**2021** • USP **43** • Ph. Eur. **9.0** (2017) **10.0** (2020) •

HAZARDOUS: C.E: 607-004-00-7 • RTECS: AJ 7875000 • TDLo oral rat 3.300 mg/kg • LD50 oral rat 5.000 mg/kg • VLA-ED 1 ppm6,8 mg/m3



H: H314 • H410 • H335 •

P: P260 • P264 • P273 • P280 • P301+P330+P331 • P501 • P303+P361+P353 • P304+P340 • P305+P351+P338 • P310 • P321 • P363 • P405 • P261 • P271 • P403+P233 • P312 • P391 •

TRANSPORT REGULATIONS: UN: 1839 • ADR: 8/II • IMDG: 8/II • IATA: 8/II • PAX: 859 • CAO: 863 • (E) •

SPECIFICATIONS:

Minimum assay (Acidim.)

99,5%

Maximum limit of impurities

Insoluble matter in H ₂ O	0,01 %
Reducing substance to KMnO ₄	passes test
Darkened substances by H ₂ SO ₄	passes test
Residue on ignition (as SO ₄)	0,03 %
Chloride (Cl)	0,001%
Phosphate (PO ₄)	0,0005 %
Sulfate (SO ₄)	0,02%
Nitrate (NO ₃)	0,002%
Heavy metals (as Pb)	0,002%
Cu	0,002 %
Fe	0,001 %
Ni	0,002 %
Pb	0,002 %