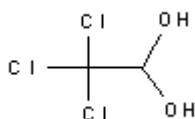
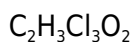
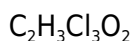




**PRODUCT CODE: 141975**

**Chloral Hydrate (BP, Ph. Eur.) pure, pharma grade**

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M.= 165,40

CAS [302-17-0]

EINECS 206-117-5

TARIC 2905 59 98 90

**SYNONYMS:** 2,2,2-Trichloro-1,1-Ethenediol, Trichloroacetaldehyde Hydrate

**PHYSICAL DATA:** Small crystals, White, Miscible with ethanol Hygroscopic • D 1,91 • M.P.: 57 °C • B.P.: 96 °C  
• pH(100 g/l)4 • Vap. press. (20 °C) 13 hPa •

**BIBLIOGRAPHY:** Merck Index **13**, 2.080 Sax **CDO000** • Römp **8**, **710** • Kühn-Birett **C 12** • Beilstein **1**, **619 IV**, **3143** • BRN 1698497 • BP.**2018** • USP **41** • Ph. Eur. **8.0** (2014) **9.0** (2017) • Royal Decree **I678** •

**HAZARDOUS:** C.E: 605-014-00-6 • RTECS: FM 8750000 • LD L0 oral man 4 mg/kg • LD L0 oral hmn 4 mg/kg • LD50 oral rat 479 mg/kg • LD50 skn rat 3.030 mg/kg • LD50 ipr mus 580 mg/kg



H: H301 • H319 • H315 •

P: P264 • P270 • P280 • P301+P310 • P302+P352 • P501 • P305+P351+P338 • P321 • P330 • P332+P313 • P337+P313 • P362 • P405 •

**TRANSPORT REGULATIONS:** UN: 2811 • ADR: 6.1/II • IMDG: 6.1/II • IATA: 6.1/II • PAX: 669 • CAO: 676 • (D/E) •

**SPECIFICATIONS:**

Assay (Acidim.)	98,5-101,0%
Identity :	
Identity according to Pharmacopoeias:	passes test
pH of 10 % solution	3,5-5,5

**Maximum limit of impurities**

Appearance of solution	passes test
Insoluble matter in H <sub>2</sub> O	passes test
Non-volatile matter	0,1 %
Darkened substances by H <sub>2</sub> SO <sub>4</sub>	passes test
Chloride (Cl)	0,01%
Residual solvents (Ph.Eur.)	passes test
Chloral alcoholate	passes test
Heavy metals (as Pb)	0,002%

**Residual metals ICP: (according to EMEA/CHMP/SWP/4446/2000)**

<b>Class 1A (Pt, Pd)</b>	<b>10 ppm</b>
<b>Class 1B (Ir, Rh, Ru, Os)</b>	<b>10 ppm</b>
<b>Class 1C (Mo, Ni, Cr, V)</b>	<b>25 ppm</b>
<b>Class 2 (Cu, Mn)</b>	<b>250 ppm</b>
<b>Class 3 (Fe, Zn)</b>	<b>1.300 ppm</b>