

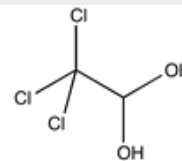
Identification $C_2H_3Cl_3O_2$

M = 165,40 g/mol

CAS [302-17-0]

EC number: 206-117-5

Taric code: 2905 59 99

**Synonyms**

Trichloroacetaldehyde hydrate

Applications

analytical chemistry, synthesis of organic products, laboratory reagent.

Specifications

assay (acidimetric).....	98,5 - 101 %	chlorides (Cl).....	max. 0,01 %
identification.....	passes test	heavy metals (as Pb).....	max. 0,002 %
acidity.....	passes test	toluene.....	max. 0,089 %
appearance of solution (10 %, H ₂ O).....	clear and colourless	chloral alcoholate.....	passes test
pH (10 %, H ₂ O).....	3,5 - 5,5	substances darkened by H ₂ SO ₄	passes test
		residue on ignition.....	max. 0,1 %

Physical data

- Appearance: bright crystals, colourless, up to 1cm
- Spec. Density: 1,91 g/cm³
- Bulk density: ~ 1100 kg/m³
- Solub. in water: (20 °C): soluble
- Melting point: 51,7 °C
- Boiling point: 96,3 °C
- Vapour pressure: (20 °C) 13 hPa
- pH(100 g/l H₂O, 20 °C) 3,5 - 5,5

Safety - GHS**Signal Word:** Danger**Hazard Statements:**

- H301: Toxic if swallowed.
- H315: Causes skin irritation.
- H319: Causes serious eye irritation.

Precautionary Statements:

- P280: Wear protective gloves / protective clothing / eye protection / face protection.
- P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P321: Specific treatment (see on this label).
- P405: Store locked up.
- P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 6.1 T2 II • UN 2811 • TOXIC SOLID, ORGANIC, N.O.S. (Chloral hydrate)
- IMDG: 6.1 II • UN 2811 • TOXIC SOLID, ORGANIC, N.O.S. (Chloral hydrate)
- IATA/ICAO: 6.1 II • UN 2811 • TOXIC SOLID, ORGANIC, N.O.S. (Chloral hydrate)
- PAX: 613
- CAO: 615
- 15°C - 25°C