

Trichloroacetic acid, for analysis, ExpertQ®, ACS

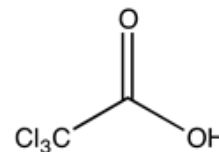
IdentificationCCl₃COOH

M = 163,39 g/mol

CAS [76-03-9]

EC number: 200-927-2

Taric code: 2915 40 00

**Synonyms**

TCA

Applications

analytical chemistry, laboratory reagent, herbicide, precipitant for: proteins, fixative in microscopy.

Specifications

assay (acidimetric).....	min. 99,5 %	phosphates (as PO ₄).....	max. 5 ppm
identity (IR-spectrum).....	passes test	sulfates (SO ₄).....	max. 0,02 %
appearance of solution.....	passes test	copper (Cu).....	max. 5 ppm
insoluble in water.....	max. 0,01 %	heavy metals (as Pb).....	max. 0,002 %
chlorides (Cl).....	max. 0,002 %	iron (Fe).....	max. 0,001 %
nitrates (NO ₃).....	max. 0,002 %	substances darkened by H ₂ SO ₄	passes test
		residue on ignition.....	max. 0,03 %

Physical data

- Appearance: bright flakes, white, up to 0,5cm
- Spec. Density: 1,63 g/cm³
- Solub. in water: (20 °C): soluble
- Melting point: 54 - 58 °C
- Boiling point: 197 °C
- Vapour pressure: (20 °C) 1 hPa
- pH(50 g/l H₂O, 20 °C) < 1
- Hygroscopic

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H314: Causes severe skin burns and eye damage.
H410: Very toxic to aquatic life with long lasting effects.

**Precautionary Statements:**

- P260: Do not breathe dust / fume / gas / mist / vapours / spray.
P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER or doctor / physician.
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 8 C4 II • UN 1839 • TRICHLOROACETIC ACID
- IMDG: 8 II • UN 1839 • TRICHLOROACETIC ACID
- IATA/ICAO: 8 II • UN 1839 • TRICHLOROACETIC ACID
- PAX: 815
- CAO: 817
- 10°C - 30°C