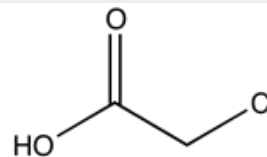


**Identification**

CH<sub>2</sub>ClCOOH  
M = 94,50 g/mol  
CAS [79-11-8]  
EC number: 201-178-4  
Taric code: 2915 40 00


**Synonyms**

Monochloroacetic acid

**Applications**

analytical chemistry, manufacture of dyes, synthesis of organic products, for acetylations.

**Specifications**

assay (acidimetric).....	min. 99,5 %	heavy metals (as Pb).....	max. 0,001 %
identity (IR-spectrum).....	passes test	iron (Fe).....	max. 5 ppm
insoluble in water.....	max. 0,003 %	lead (Pb).....	max. 5 ppm
nitrogen compounds (as N).....	max. 0,005 %	nickel (Ni).....	max. 5 ppm
chlorides (Cl).....	max. 0,005 %	acetone (G.C.).....	max. 0,02 %
nitrates (NO <sub>3</sub> ).....	max. 0,001 %	carbonyl compounds (as C <sub>2</sub> H <sub>4</sub> O).....	max. 0,01 %
sulfates (SO <sub>4</sub> ).....	max. 0,005 %	substances darkened by H <sub>2</sub> SO <sub>4</sub> .....	passes test
copper (Cu).....	max. 5 ppm	residue on ignition.....	max. 0,02 %

**Physical data**

- Appearance: flakes, bright white, up to 0,5cm
- Spec. Density: 1,37 g/cm<sup>3</sup>
- Bulk density: ~ 400 kg/m<sup>3</sup>
- Solub. in water: (20 °C): soluble
- Melting point: 60 - 63 °C
- Boiling point: 189 °C
- Flash point: 126 °C
- Ignition temperature: 470 °C
- Vapour pressure: (20 °C) 1hPa
- Expl. limit (lower): 8,0 Vol%
- pH(800 g/l H<sub>2</sub>O, 20 °C) <1
- Hygroscopic

**Safety - GHS**

**Signal Word:** Danger

**Hazard Statements:**

- H301: Toxic if swallowed.  
H311: Toxic in contact with skin.  
H331: Toxic if inhaled.  
H314: Causes severe skin burns and eye damage.  
H400: Very toxic to aquatic life.


**Precautionary Statements:**

- P260: Do not breathe dust / fume / gas / mist / vapours / spray.  
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
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.  
P405: Store locked up.  
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

**Transport/storage**

- ADR: 6.1 TC2 II • UN 1751 • CHLOROACETIC ACID, SOLID
- IMDG: 6.1 II • UN 1751 • CHLOROACETIC ACID, SOLID
- IATA/ICAO: 6.1 II • UN 1751 • CHLOROACETIC ACID, SOLID
- PAX: 614
- CAO: 616
- 15°C - 25°C