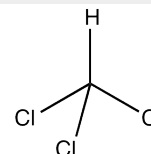


Identification

CHCl₃
M = 119,38 g/mol
CAS [67-66-3]
EC number: 200-663-8
Taric code: 2903 13 00


Synonyms

Trichloromethane, Formyl trichloride






Applications

solvents, analytical chemistry, in the rubber industry.

Specifications

assay (G.C.).....	99,0 - 99,5 %	iron (Fe).....	max. 0,00001 %
identity (IR-spectrum).....	passes test	lead (Pb).....	max. 0,000005 %
density (20°/4°).....	1,474 - 1,483	magnesium (Mg).....	max. 0,00001 %
appearance.....	clear	manganese (Mn).....	max. 0,000002 %
colour (Hazen).....	max. 10	nickel (Ni).....	max. 0,000002 %
ethanol (G.C.).....	0,5 - 1,0 %	tin (Sn).....	max. 0,00001 %
free acid (as HCl).....	max. 0,0002 %	zinc (Zn).....	max. 0,00001 %
free chlorine (as Cl).....	max. 0,00003 %	carbon tetrachloride (G.C.).....	max. 0,01 %
chlorides (Cl).....	max. 0,00002 %	dichloromethane (G.C.).....	max. 0,01 %
aluminium (Al).....	max. 0,00005 %	tetrachloroethylene (G.C.).....	max. 0,01 %
acid and chloride.....	passes test	trichloroethylene (G.C.).....	max. 0,01 %
barium (Ba).....	max. 0,00001 %	carbonyl compounds (as CO).....	max. 0,005 %
boron (B).....	max. 0,000002 %	aldehydes and ketones (as C ₂ H ₅ CHO).....	passes test
cadmium (Cd).....	max. 0,000005 %	substances darkened by H ₂ SO ₄	passes test
calcium (Ca).....	max. 0,00005 %	residue on evaporation.....	max. 0,0005 %
chromium (Cr).....	max. 0,000002 %	water (K.F.).....	max. 0,01 %
cobalt (Co).....	max. 0,000002 %	suitability for use in dithizone tests.....	passes test
copper (Cu).....	max. 0,000002 %		

Packaging
Packaging Code

1 	CL02031000
2,5 	CL02032500
5 	CL0203005P
25 	CL0203025A
200 	CL0203200L

Physical data

- Density: 1,47 g/cm³
- Solub. in water: (20 °C): 8 g/l
- Melting point: -63 °C
- Boiling point: 61 °C
- Ignition temperature: 982 °C
- Vapour pressure: (20° C) 213 hPa
- Viscosity: (20 °C) 0,56 mPas
- Dipolar moment: (20 °C) 1,01 Debye
- Dielectric const.: (20 °C) 4,8
- Saturation conc.: (20 °C) 1027 g/m³

Safety - GHS

Signal Word: Danger

**Hazard Statements:**

H331: Toxic if inhaled.
H372: Causes damage to organs through prolonged or repeated exposure.
H351: Suspected of causing cancer.
H361d: Suspected of damaging the unborn child.
H302: Harmful if swallowed.
H315: Causes skin irritation.
H319: Causes serious eye irritation.

Precautionary Statements:

P260: Do not breathe dust / fume / gas / mist / vapours / spray.
P261: Avoid breathing dust / fume / gas / mist / vapours / spray.
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.

Toxicological data

- LD 50 (oral, rat): 908 mg/kg
- MAK: 0,5 ml/m³, 2,5 mg/m³
- WGK: 3
- Poison class CH (Swiss): 1*

Transport/storage

- ADR: 6.1 T1 III • UN 1888 • CHLOROFORM
- IMDG: 6.1 III • UN 1888 • CHLOROFORM
- IATA/ICAO: 6.1 III • UN 1888 • CHLOROFORM
- PAX: 610
- CAO: 612
- Store between 15°C and 25°C