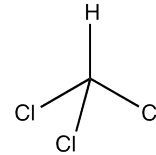


**Identification**

CHCl<sub>3</sub>  
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.).....	min. 99,8 %	aldehydes and ketones (as C <sub>2</sub> H <sub>5</sub> CHO).....	passes test
identity (IR-spectrum).....	passes test	carbon tetrachloride (G.C.).....	max. 0,01 %
density (20°/4°).....	1,474 - 1,483	dichloromethane (G.C.).....	max. 0,01 %
appearance.....	clear	tetrachloroethylene (G.C.).....	max. 0,01 %
colour (Hazen).....	max. 10	trichloroethylene (G.C.).....	max. 0,01 %
ethanol (G.C.).....	0,5 - 1,0 %	suitability for use in dithizone tests.....	passes test
acidity.....	max. 0,0001 meq/g	substances darkened by H <sub>2</sub> SO <sub>4</sub> .....	passes test
free chlorine (as Cl).....	max. 0,00003 %	residue on evaporation.....	max. 0,0002 %
chlorides (Cl).....	max. 0,00002 %	water (K.F.).....	max. 0,01 %
aluminium (Al).....	max. 0,00001 %		
barium (Ba).....	max. 0,00001 %	liquid chromatography suitability	
boron (B).....	max. 0,000001 %	absorbance.....	passes test
cadmium (Cd).....	max. 0,000002 %		
calcium (Ca).....	max. 0,000001 %	min. transmission/max. absorbance	
chromium (Cr).....	max. 0,000002 %	in a 1,0 cm cell at	
cobalt (Co).....	max. 0,000002 %	wavelength:	
copper (Cu).....	max. 0,000001 %	250 nm.....	T(%) A (AU)
iron (Fe).....	max. 0,000002 %	265 nm.....	50 % 0,301 AU
lead (Pb).....	max. 0,000001 %	300 nm.....	90 % 0,046 AU
magnesium (Mg).....	max. 0,00001 %		98 % 0,009 AU
manganese (Mn).....	max. 0,000001 %		
nickel (Ni).....	max. 0,000002 %	Microfiltered through membranes	
tin (Sn).....	max. 0,00001 %	of pore diameter 0,22 µm	
zinc (Zn).....	max. 0,00003 %		

**Packaging**
**Packaging Code**

1 l  CL02181000  
2,5 l  CL02182500

**Physical data**

- Density: 1,47 g/cm<sup>3</sup>
- 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/m<sup>3</sup>

**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/m<sup>3</sup>, 2,5 mg/m<sup>3</sup>
- 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