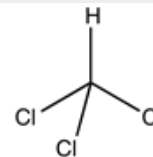


Identification

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.)..... min. 99,8 %
identity (IR-spectrum)..... passes test
density (20°/4°)..... 1,474 - 1,483
appearance..... clear
colour (Hazen)..... max. 10
ethanol (G.C.)..... 0,5 - 1,0 %
acidity..... max. 0,0001 meq/g
free chlorine (as Cl)..... max. 0,00003 %
chlorides (Cl)..... max. 0,00002 %
aluminium (Al)..... max. 0,1 ppm
barium (Ba)..... max. 0,1 ppm
boron (B)..... max. 0,01 ppm
cadmium (Cd)..... max. 0,02 ppm
calcium (Ca)..... max. 0,01 ppm
chromium (Cr)..... max. 0,02 ppm
cobalt (Co)..... max. 0,02 ppm
copper (Cu)..... max. 0,01 ppm
iron (Fe)..... max. 0,02 ppm
lead (Pb)..... max. 0,01 ppm
magnesium (Mg)..... max. 0,1 ppm
manganese (Mn)..... max. 0,01 ppm

nickel (Ni)..... max. 0,02 ppm
tin (Sn)..... max. 0,1 ppm
zinc (Zn)..... max. 0,3 ppm
aldehydes and ketones (as C₂H₅CHO)..... passes test
carbon tetrachloride (G.C.)..... max. 0,01 %
dichloromethane (G.C.)..... max. 0,01 %
tetrachloroethylene (G.C.)..... max. 0,01 %
trichloroethylene (G.C.)..... max. 0,01 %
suitability for use in dithizone tests..... passes test
substances darkened by H₂SO₄..... passes test
residue on evaporation..... max. 0,0002 %
water (K.F.)..... max. 0,01 %

liquid chromatography suitability absorbance..... passes test

min. transmission/max. absorbance in a 1,0 cm cell at
wavelength:..... T(%) A (AU)
250 nm..... 50 % 0,301 AU
265 nm..... 90 % 0,046 AU
300 nm..... 98 % 0,009 AU

Microfiltered through membranes of pore diameter 0,22 µm

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:

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

**Precautionary Statements:**

- P260: Do not breathe dust / fume / gas / mist / vapours / spray.
P280: Wear protective gloves / protective clothing / eye protection / face protection.
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.



CL0218

Technical Data Sheet

**Chloroform, stabilized with ethanol, Multisolvent[®] HPLC grade ACS ISO
UV-VIS**

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: 680
- CAO: 680
- 15°C - 25°C