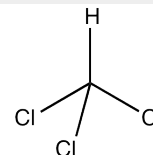


Identification

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 %	copper (Cu).....	max. 0,02 ppm
identity (IR-spectrum).....	passes test	iron (Fe).....	max. 0,1 ppm
density (20°/4°).....	1,474 - 1,483	lead (Pb).....	max. 0,000005 %
appearance.....	clear	magnesium (Mg).....	max. 0,1 ppm
colour (Hazen).....	max. 10	manganese (Mn).....	max. 0,02 ppm
ethanol (G.C.).....	0,5 - 1,0 %	nickel (Ni).....	max. 0,02 ppm
free acid (as HCl).....	max. 0,0002 %	tin (Sn).....	max. 0,1 ppm
free chlorine (as Cl).....	max. 0,00003 %	zinc (Zn).....	max. 0,1 ppm
chlorides (Cl).....	max. 0,00002 %	carbon tetrachloride (G.C.).....	max. 0,01 %
aluminium (Al).....	max. 0,5 ppm	dichloromethane (G.C.).....	max. 0,01 %
acid and chloride.....	passes test	tetrachloroethylene (G.C.).....	max. 0,01 %
barium (Ba).....	max. 0,1 ppm	trichloroethylene (G.C.).....	max. 0,01 %
boron (B).....	max. 0,02 ppm	carbonyl compounds (as CO).....	max. 0,005 %
cadmium (Cd).....	max. 0,05 ppm	aldehydes and ketones (as C ₂ H ₅ CHO).....	passes test
calcium (Ca).....	max. 0,5 ppm	substances darkened by H ₂ SO ₄	passes test
chromium (Cr).....	max. 0,02 ppm	residue on evaporation.....	max. 0,0005 %
cobalt (Co).....	max. 0,02 ppm	water (K.F.).....	max. 0,01 %
		suitability for use in dithizone tests.....	passes test

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.

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
- 10°C - 30°C