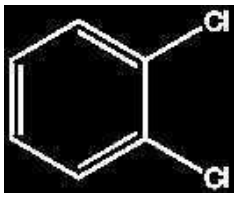
1,2-DICHLOROBENZENE

DI0382 1,2-Dichlorobenzene, EssentQ®



- Synonyms: o-Chlorobenzene
- $C_6H_4Cl_2$
- M = 147,00 g/mol
- CAS [95-50-1]
- EINECS-No.: 202-425-9
- Density: 1,31 g/cm³
- Solub. in water: (20 °C): ~ 0,13 g/l
- Melting point: -17 °C
- Boiling point: 180 °C
- Flash pt. 66 °C
- Ignition temp.: 640 °C
- Vapour pressure: (20 °C) ~ 1,3 hPa
- Dielectric const.: (25 °C) 9,9
- EC-Index-No.: 602-034-00-7
- ADR: 6.1 T1 III UN 1591
- IMDG: 6.1 III UN 1591
- IATA/ICAO: 6.1 III UN 1591
- GHS-signal word: Warning
- GHS-H sentences: H400 - H410 - H302 - H315 - H319 - H335
- GHS-P sentences: P261 - P280 - P305 + P351 + P338 - P321 - P405 - P501a
- Tariff number: 2903 91 00 00
- Applications: solvents, degreasing agent, manufacture of dyes.

assay (G.C.) . . . . . min. 99,5 %
identity (IR-spectrum) . . . . . .passes test
density (20°/4°). . . . . 1,305 - 1,307
residue on ignition . . . . . .max. 0,05 %
water (K.F.). . . . . .max. 0,05 %

ART. NO.	VOLUME	CONTAINER
DI03821000	1 l	
DI03822500	2,5 l	
DI0382005P	5 l	

1,2-DICHLOROETHANE

- Synonyms: Ethylene chloride, Ethylene dichloride
- $C_2H_4Cl_2$
- M = 98,97 g/mol
- CAS [107-06-2]
- EINECS-No.: 203-458-1
- Density: 1,25 g/cm³
- Solub. in water: (20 °C): 0,80 g/l
- Melting point: -35,5 °C
- Boiling point: 83,5 - 84,1 °C
- Flash pt. 13 °C
- Ignition temp.: 412,6 - 440 °C
- Vapour pressure: (20 °C) 87 hPa
- LD 50 (oral, rat): 670 mg/kg
- EC-Index-No.: 602-012-00-7
- ADR: 3 FT1 II UN 1184
- IMDG: 3 II UN 1184
- IATA/ICAO: 3 II UN 1184
- GHS-signal word: Danger
- GHS-H sentences: H225 - H350 - H302 - H315 - H319 - H335 -
- GHS-P sentences: P210 - P241 - P303 + P361 + P353 - P305 + P351 + P338 - P405 - P501a
- Tariff number: 2903 15 00 00
- Applications: solvents, synthesis of organic products, fumigant.

DI0407 1,2-Dichloroethane, ExpertQ®, for analysis, ACS

assay (G.C.) . . . . . min. 99,5 %
identity (IR-spectrum) . . . . . .passes test
density (20°/4°). . . . . 1,246 - 1,255
appearance . . . . . clear
colour (Hazen) . . . . . max. 10
acidity . . . . . max. 0,0003 meq/g
free chlorine (as Cl) . . . . . .max. 0,00003 %
aluminium (Al) . . . . . .max. 0,05 ppm
barium (Ba) . . . . . .max. 0,05 ppm
cadmium (Cd) . . . . . .max. 0,02 ppm
calcium (Ca). . . . . .max. 0,2 ppm
chromium (Cr) . . . . . .max. 0,02 ppm
cobalt (Co). . . . . .max. 0,02 ppm
copper (Cu) . . . . . .max. 0,02 ppm
iron (Fe) . . . . . .max. 0,1 ppm
lead (Pb). . . . . .max. 0,02 ppm
magnesium (Mg) . . . . . .max. 0,05 ppm
manganese (Mn) . . . . . .max. 0,02 ppm
nickel (Ni) . . . . . .max. 0,02 ppm
potassium (K). . . . . .max. 0,2 ppm
sodium (Na) . . . . . .max. 0,5 ppm
strontium (Sr) . . . . . .max. 0,02 ppm
zinc (Zn) . . . . . .max. 0,1 ppm
substances darkened by H_2SO_4 . . . . . .passes test
residue on evaporation . . . . . .max. 0,002 %
water (K.F.). . . . . .max. 0,01 %

ART. NO.	VOLUME	CONTAINER
DI04071000	1 l	
DI04072500	2,5 l	

DI0409 1,2-Dichloroethane, HPLC grade

assay (G.C.) . . . . . min. 99,8 %
identity (IR-spectrum) . . . . . .passes test
density (20°/4°). . . . . 1,246 - 1,255
acidity . . . . . max. 0,0002 meq/g
alkalinity. . . . . max. 0,0002 meq/g
residue on evaporation . . . . . .max. 0,0002 %
water (K.F.). . . . . .max. 0,01 %
min. transmission/max. absorbance in a 1,0 cm cell at
wavelength T(%) A (AU)
230 nm . . . . . .20 % 0,699 AU
235 nm . . . . . .50 % 0,301 AU
245 nm. . . . . .90 % 0,046 AU
Microfiltered through membranes of pore diameter 0,22 µm

ART. NO.	VOLUME	CONTAINER
DI04091000	1 l	
DI04092500	2,5 l	

DI0412 1,2-Dichloroethane, standard substance for GC

assay 99,9%
over ramp . . . .40°C, 5°C/min 120°C, 30°C/min 200°C
identity. . . . . IR

ART. NO.	VOLUME	CONTAINER
DI04120005	5 ml	