

Identification

CS₂
M = 76,14 g/mol
CAS [75-15-0]
EC number: 200-843-6
Taric code: 2813 10 00



Synonyms

Carbon bisulfide, Dithiocarbonic anhydride

Applications

synthesis of organic products, solvents.

Specifications

assay (G.C.).....	min. 99,9 %	iron (Fe).....	max. 0,1 ppm
identity (IR-spectrum).....	passes test	lead (Pb).....	max. 0,1 ppm
density (20°/20°).....	approx. 1,26	magnesium (Mg).....	max. 0,1 ppm
appearance.....	clear and colourless	manganese (Mn).....	max. 0,02 ppm
boiling point.....	46 - 47 °C	nickel (Ni).....	max. 0,02 ppm
colour (Hazen).....	max. 10	zinc (Zn).....	max. 0,1 ppm
cadmium (Cd).....	max. 0,05 ppm	sulfur dioxide (SO ₂).....	max. 0,00025 %
calcium (Ca).....	max. 0,5 ppm	hydrogen sulfide (as H ₂ S).....	max. 0,00015 %
chromium (Cr).....	max. 0,02 ppm	benzene (G.C.).....	max. 0,005 %
cobalt (Co).....	max. 0,02 ppm	toluene (G.C.).....	max. 0,0005 %
copper (Cu).....	max. 0,02 ppm	residue on evaporation.....	max. 0,001 %
		water (K.F.).....	max. 0,01 %

Physical data

- Density: 1,26 g/cm³
- Solub. in water: (20 °C): 2,1 g/l
- Melting point: -111,6 °C
- Boiling point: 46,5 °C
- Flash point: -30 °C
- Ignition temperature: 100 °C
- Vapour pressure: (20 °C) 398 hPa
- Viscosity: (20 °C) 0,36 mPas
- Dielectric const.: (20 °C) 2,6
- Saturation conc.: (20 °C) 1244 g/m³
- Expl. limit (upper): 60 Vol%
- Expl. limit (lower): 1 Vol%

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H225: Highly flammable liquid and vapour.
H372: Causes damage to organs through prolonged or repeated exposure.
H361fd: Suspected of damaging fertility. Suspected of damaging the unborn child.
H315: Causes skin irritation.
H319: Causes serious eye irritation.



Precautionary Statements:

- P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.
P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370+P378: In case of fire: Use ... for extinction.
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 3 FT1 I • UN 1131 • CARBON DISULPHIDE
- IMDG: 3 I • UN 1131 • CARBON DISULPHIDE
- IATA/ICAO: Forbidden • UN 1131 • CARBON DISULPHIDE
- PAX: F
- CAO: F
- 10°C - 30°C