

## Product Specification

### Carbon Disulphide

Chemical Name:	Carbon Disulphide
Molecular Formula:	CS <sub>2</sub>
Molecular Mass:	76,1 g/mol
CAS-No.:	75-15-0
EC-No.:	200-843-6

#### Properties

Vapour Pressure (20 °C):	0,4 bar
Refractive Index (20 °C):	1,627
Solubility (20 °C)	
CS <sub>2</sub> in Water:	2,1 g/l
Water in CS <sub>2</sub> :	0,1 g/l
Boiling Point (1 bar):	46,3 °C

#### Specification

Appearance:	colourless, clear liquid
CS <sub>2</sub> Content	min. 99,99% (calculated by difference from water free CS <sub>2</sub> )
Boiling Range (1 bar):	min. 98% at 46,0 – 46,4 °C
Density (20 °C):	1,262 – 1,266 kg/l
Residue on Evaporation:	max. 20 mg/kg
Hydrogen Sulphide (H <sub>2</sub> S):	Lead-Acetate-Test negative (≅ max. 3 mg/kg)
Iron:	max. 1 mg/kg
Benzene:	max. 30 mg/kg

Analytical methods are available on request.

#### Major Applications

Carbon Disulphide is a raw material for a large variety of chemical products. It is used in the manufacture of xanthates, which are intermediates for the production of regenerated cellulose products like viscose rayon, cellophane, cellulose sponges, etc. It is also used as a reaction agent for the production of rubber vulcanisation accelerators, fungicides and soil sterilisers. Carbon Disulphide is an effective solvent for oils, waxes, sulphur and many organic compounds.

#### Storage

Cool and padded with nitrogen or water. Requirements regarding storage tank design are available on request.

#### Packing and Transport

Carbon Disulphide is delivered in:

- Rail tank cars
- ISO Tank Containers
- Road tankers

Hazard Identification No.:	336
UN-No.:	1131

#### Safety advice

Carbon Disulphide is highly inflammable and toxic and is classified as a hazardous substance. We therefore refer to our Material Safety Data Sheet (MSDS).

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