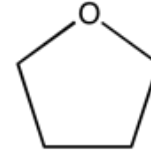


**Tetrahydrofuran, 99,5%, anhydrous (max. 0,005% H<sub>2</sub>O), with molecular sieves, stabilized with 2,6-Di-tert-butyl-4-methylphenol (BHT)**

### Identification

C<sub>4</sub>H<sub>8</sub>O  
M = 72,11 g/mol  
CAS [109-99-9]  
EC number: 203-726-8  
Taric code: 2932 11 00



### Synonyms

THF, Tetramethylene oxide, Oxolane

### Applications

solvents, synthesis of polymers, synthesis of organic products, for organometallic compounds synthesizing, for histology.

### Specifications

assay (G.C.).....	min. 99,5 %	iron (Fe).....	max. 0,5 ppm
identity (IR-spectrum).....	passes test	lead (Pb).....	max. 0,2 ppm
density (20°/4°).....	0,887 - 0,889	nickel (Ni).....	max. 0,2 ppm
acidity.....	max. 0,0003 meq/g	peroxides (as H <sub>2</sub> O <sub>2</sub> ).....	max. 0,005 %
copper (Cu).....	max. 0,2 ppm	water (K.F.).....	max. 0,005 %

### Physical data

- Density: 0,89 g/cm<sup>3</sup>
- Solub. in water: (20 °C): miscible
- Melting point: -108,5 °C
- Boiling point: 65 - 66 °C
- Flash point: -21,5 °C
- Ignition temperature: 215 °C
- Vapour pressure: (20°C) 173 hPa
- Refraction index: (n 20 °C/D) 1,407
- Viscosity: (20 °C) 0,47 mPas
- Dipolar moment: (20 °C) 1,63 Debye
- Dielectric const.: (20 °C) 7,4
- Saturation conc.: (20 °C) 557 g/m<sup>3</sup>
- Expl. limit (upper): 12,4 Vol%
- Expl. limit (lower): 1,5 Vol%
- pH(200 g/l H<sub>2</sub>O, 20 °C) 7 - 8

### Safety - GHS

Signal Word: Danger

#### Hazard Statements:

- H225: Highly flammable liquid and vapour.  
H319: Causes serious eye irritation.  
H351: Suspected of causing cancer.  
H335: May cause respiratory 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 F1 II • UN 2056 • TETRAHYDROFURAN
- IMDG: 3 II • UN 2056 • TETRAHYDROFURAN
- IATA/ICAO: 3 II • UN 2056 • TETRAHYDROFURAN
- PAX: 353
- CAO: 364
- 15°C - 25°C