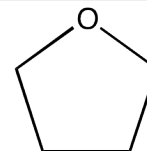


**Tetrahydrofuran, synthesis grade, stabilized with 2,6-Di-tert-butyl-4-methylphenol (BHT)**
**Identification**

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 %	residue on evaporation.....	max. 0,02 %
identity (IR-spectrum).....	passes test	water (K.F.).....	max. 0,1 %
density (20°/4°).....	0,887 - 0,889		

**Packaging**
**Packaging Code**

1 l		TE02191000
2,5 l		TE02192500
5 l		TE0219005L
5 l		TE0219005P
25 l		TE0219025L
25 l		TE0219025S

**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.
- H351: Suspected of causing cancer.
- H319: Causes serious eye irritation.
- H335: May cause respiratory irritation.
- EUH019: May form explosive peroxides.

**Precautionary Statements:**

- P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.
- P241: Use explosion-proof electrical / ventilating / lighting / equipment.
- 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.
- P405: Store locked up.
- P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

**Toxicological data**

- LD 50 (oral, rat): 1650 mg/kg
- MAK: 50 ml/m<sup>3</sup>, 150 mg/m<sup>3</sup>
- WGK: 1
- Poison class CH (Swiss): 3

**Tetrahydrofuran**, synthesis grade, stabilized with 2,6-Di-tert-butyl-4-methylphenol (BHT)

**Transport/storage**

- ADR: 3 F1 II • UN 2056 • TETRAHYDROFURAN
- IMDG: 3 II • UN 2056 • TETRAHYDROFURAN
- IATA/ICAO: 3 II • UN 2056 • TETRAHYDROFURAN
- PAX: 305
- CAO: 307
- Store between 15°C and 25°C