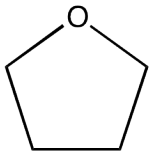
Te0229

Tetrahydrofuran, 99,5%, anhydrous (max. 0,005% H_2O), with molecular sieves, stabilized with 2,6-Di-tert-butyl-4-methylphenol (BHT)

Identification

C_4H_8O
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. 0,00005 %
identity (IR-spectrum)	passes test	lead (Pb)	max. 0,00002 %
density (20°/4°)	0,887 - 0,889	nickel (Ni)	max. 0,00002 %
acidity	max. 0,0003 meq/g	peroxides (as H2O2)	max. 0,005 %
copper (Cu)	max. 0,00002 %	water (K.F.)	max. 0,005 %

Packaging

Packaging	Code
1 l	TE02291000

Physical data

- Density: 0,89 g/cm3
- 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^3
- Expl. limit (upper): 12,4 Vol%
- Expl. limit (lower): 1,5 Vol%
- pH(200 g/l H_2O, 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^3 , 150 mg/m^3
- WGK: 1
- Poison class CH (Swiss): 3

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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 15ºC and 25ºC