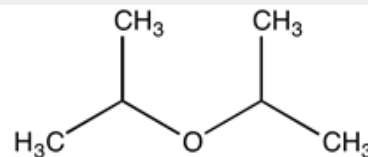


**Diisopropyl ether, EssentQ®, stabilized with approx. 10 ppm of 2,6-Di-tert-butyl-4-methylphenol (BHT)****Identification**

C<sub>6</sub>H<sub>14</sub>O  
M = 102,18 g/mol  
CAS [108-20-3]  
EC number: 203-560-6  
Taric code: 2909 19 00

**Synonyms**

Isopropyl ether, 2,2'-Oxybis[propane], 2,2-Propoxypropane

**Applications**

analytical chemistry, solvents.

**Specifications**

assay (G.C.).....	min. 99 %	nickel (Ni).....	max. 0,2 ppm
identity (IR-spectrum).....	passes test	acetone (G.C.).....	max. 0,1 %
density (20°/4°).....	0,722 - 0,724	2-propanol (G.C.).....	max. 0,5 %
acidity.....	max. 0,0008 meq/g	peroxides (as H <sub>2</sub> O <sub>2</sub> ).....	max. 0,005 %
copper (Cu).....	max. 0,2 ppm	substances darkened by H <sub>2</sub> SO <sub>4</sub> .....	passes test
iron (Fe).....	max. 0,5 ppm	residue on evaporation.....	max. 0,005 %
lead (Pb).....	max. 0,2 ppm	water (K.F.).....	max. 0,05 %

**Physical data**

- Density: 0,72 g/cm<sup>3</sup>
- Solub. in water: (20 °C): 12 g/l
- Melting point: -86 °C
- Boiling point: 67 - 70 °C
- Flash point: -28 °C
- Ignition temperature: 405 °C
- Vapour pressure: (20 °C) 175 hPa
- Viscosity: (25 °C) 0,37 mPas
- Dipolar moment: (20 °C) 1,3 Debye
- Dielectric const.: (25 °C) 3,8
- Evap. heat: (68 °C) 285 KJ/kg
- Saturation conc.: (20 °C) 751 g/m<sup>3</sup>
- Expl. limit (upper): 21 Vol%
- Expl. limit (lower): 1,0 Vol%
- pH(20 °C) ~ 7

**Safety - GHS**

Signal Word: Danger

**Hazard Statements:**

- H225: Highly flammable liquid and vapour.  
H336: May cause drowsiness or dizziness.  
EUH019: May form explosive peroxides.  
EUH066: Repeated exposure may cause skin dryness or cracking.

**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.  
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 1159 • DIISOPROPYL ETHER
- IMDG: 3 II • UN 1159 • DIISOPROPYL ETHER
- IATA/ICAO: 3 II • UN 1159 • DIISOPROPYL ETHER
- PAX: 353
- CAO: 364
- 10°C - 30°C