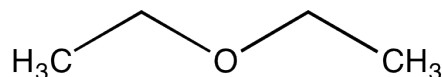


Diethyl ether, Pharmapur®, Ph Eur, BP, stabilized with approx. 7 ppm of 2,6-Di-tert-butyl-4-methylphenol (BHT)

Identification

C₄H₁₀O
M = 74,12 g/mol
CAS [60-29-7]
EC number: 200-467-2
Taric code: 2909 11 00



Synonyms

Ethyl ether, Ethyl oxide, Ether

Applications

solvents, synthesis of organic products, solvent for active principles from plant and animal tissues extractions, in pharma industry.

Specifications

assay (G.C.).....	min. 99,5 %	peroxides	passes test
density (20°/20°).....	0,714 - 0,716	low-boiling hydrocarbons.....	max. 0,2 %
distillation range.....	34,0 - 35,0 °C	substances with a foreign odour.....	passes test
acidity.....	passes test	residue on evaporation.....	max. 20 ppm
aldehydes.....	passes test	water (K.F.).....	max. 2 g/L

Physical data

- Density: 0,71 g/cm³
- Solub. in water: (20 °C): 69 g/l
- Melting point: -116,3 °C
- Boiling point: 34,6 °C
- Flash point: -40 °C
- Ignition temperature: 170 °C
- Vapour pressure: (20 °C) 587 hPa
- Viscosity: (20 °C) 0,23 mPas
- Dipolar moment: (20 °C) 1,25 Debye
- Dielectric const.: (20 °C) 4,3
- Evap. heat: (35 °C) 392 KJ/kg
- Saturation conc.: (20 °C) 1776 g/m³
- Expl. limit (upper): 36 Vol%
- Expl. limit (lower): 1,7 Vol%

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H224: Extremely flammable liquid and vapour.
H302: Harmful if swallowed.
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 | • UN 1155 • DIETHYL ETHER (ETHYL ETHER)
- IMDG: 3 | • UN 1155 • DIETHYL ETHER
- IATA/ICAO: 3 | • UN 1155 • DIETHYL ETHER
- PAX: 302
- CAO: 303
- 10°C - 30°C