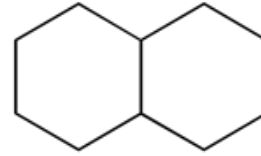


Decahydronaphthalene, mixture of isomers, EssentQ®

Identification

C₁₀H₁₈
M = 138,25 g/mol
CAS [91-17-8]
EC number: 202-046-9
Taric code: 2902 19 80

**Synonyms**

Decalin

Applications

synthesis of organic products, analytical chemistry, manufacturing of lacquers, as gasoline additive, in lubricant compositions, solvents: Naphthalene, oils, fats, waxes and resins.

Specifications

assay (G.C.).....	min. 98 %	density (20°/4°).....	0,880 - 0,885
identity (IR-spectrum).....	passes test	residue on ignition.....	max. 0,01 %

Physical data

- Density: 0,88 g/cm³
- Solub. in water: (20 °C): non-miscible
- Melting point: -32 °C
- Boiling point: 189 - 191 °C
- Flash point: 57 °C
- Ignition temperature: 255 °C
- Vapour pressure: (50 °C) 100 hPa
- Refraction index: (n 20 °C/D) 1,4742
- Expl. limit (upper): 4,9 Vol%
- Expl. limit (lower): 0,7 Vol%

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H314: Causes severe skin burns and eye damage.
H226: Flammable liquid and vapour.
H332: Harmful if inhaled.
H411: Toxic to aquatic life with long lasting effects.

**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.
P310: Immediately call a POISON CENTER or doctor / physician.
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 III • UN 1147 • DECAHYDRO-NAPHTHALENE
- IMDG: 3 III • UN 1147 • DECAHYDRONAPHTHALENE
- IATA/ICAO: 3 III • UN 1147 • DECAHYDRONAPHTHALENE
- PAX: 309
- CAO: 310
- 10°C - 30°C