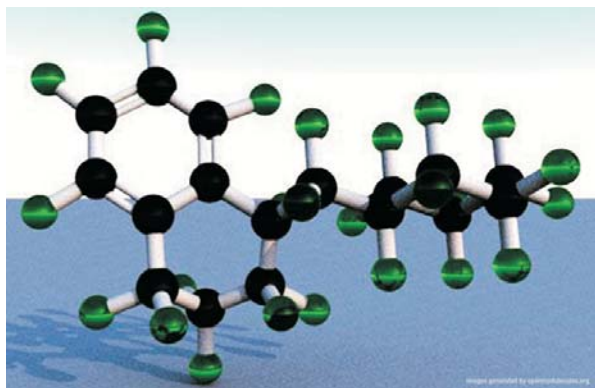




F2 Chemicals Ltd



Perfluoroperhydrobenzyltetralin

Synonyms: Perfluoroperhydrobenzyltetralin

CAS Number: 116265-66-8

Description & Characteristics

Perfluoroperhydrobenzyltetralin C17F30, is a fully-fluorinated, odourless, colourless, non-volatile liquid with the following characteristics:

- Compatibility with most construction material
- Excellent chemical and thermal stability
- Non flammability
- Practically non-toxic¹

Applications

Perfluoroperhydrobenzyltetralin is used for tracing and tagging applications.

Safety, Handling and Storage

Although Perfluoroperhydrobenzyltetralin is considered biologically and chemically inert, good laboratory practice should be observed when handling. Perfluoroperhydrobenzyltetralin, has an indefinite shelf life if properly stored in its original sealed container. Safety data sheets are available on request.

Typical Physical Properties

| | | | |
|--|-------|--|---------|
| Boiling Point °C | 260 | Specific Heat, kj/kg °C | 0.957* |
| Pour Point °C | -10 | Critical Temperature, °C | 400.4* |
| Molecular Weight | 774 | Critical Temperature, °K | 673.6* |
| Density, g/l | 2.049 | Critical Pressure, bar | 11.34 |
| Viscosity (kinematic), mm ² /s | 56.1 | Critical Volume, l/kg | 1.574* |
| Viscosity, (dynamic), mPas | 114.5 | Resistivity ohm.cm | >1013 |
| Surface Tension, mN/m | 19.4 | Thermal Conductivity, mW/m °C | 63.8* |
| Vapour Pressure, mbar | <1 | Expansion Coefficient, °C ⁻¹ (0 °C) | 0.00084 |
| Heat of vaporisation at Boiling Point, kj/kg | 67.9* | | |

* Estimated value

Temperature dependant properties are quoted at 25°C unless otherwise stated. The above typical physical properties, in no way form or represent product specification.