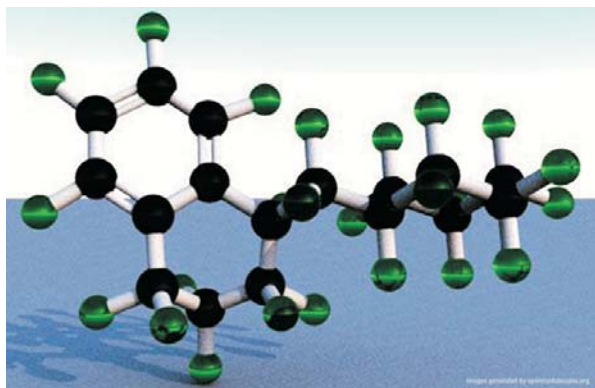




F2 Chemicals Ltd



FLUTEC™ PP25

Synonyms: Perfluoroperhydrobenzyltetralin

CAS Number: 116265-66-8

Description & Characteristics

Flutec PP25, 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

Flutec PP25 finds many applications in the electronics industry including as a fluid for vapour phase soldering of higher melting point solders and in condensation inert heating equipment for curing resin systems or melting higher melting point thermoplastic powder coats.

Safety, Handling and Storage

Although Flutec PP25 is considered biologically and chemically inert, good laboratory practice should be observed when handling. Flutec PP25 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.