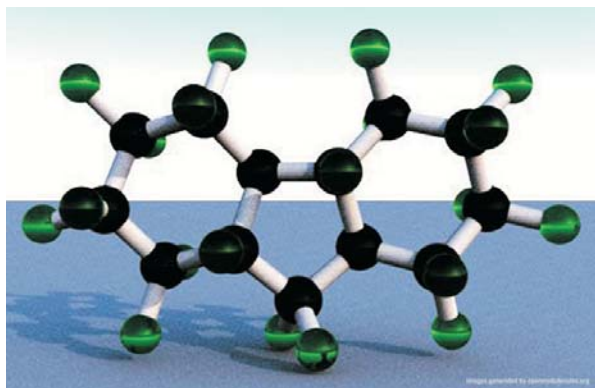




F2 Chemicals Ltd



FLUTEC™ TG-PPF

Synonyms: Perfluoroperhydrofluorene

CAS Number: 307-08-4

Description & Characteristics

Flutec TG-PPF, C₁₃F₂₂, is a fully-fluorinated, odourless, colourless, non-volatile liquid with the following characteristics:

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

Applications

Flutec TG-PPF is used in tracing and tagging applications.

Safety & Handling

Although Flutec TG-PPF is considered biologically and chemically inert, good laboratory practice should be observed when handling. Flutec TG-PPF 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	194	Specific Heat, kJ/kg °C	0.92*
Pour Point °C	-40	Critical Temperature, °C	357.2*
Molecular Weight	574	Critical Temperature, oK	630.2*
Density, kg/l	1.984	Critical Pressure, bar	16.2
Viscosity (kinematic), mm ² /s	4.84	Critical Volume, l/kg	1.59*
Viscosity, (dynamic), mPas	9.58	Resistivity ohm.cm	>10 ¹³
Surface Tension, mN/m	19.7	Dielectric Breakdown Strength kV/mm 50Hz	>13
Vapour Pressure, mbar	<1	Thermal Conductivity, mW/m °C	56*
Heat of vaporisation at Boiling Point, kJ/kg	71*	Expansion Coefficient, oC ⁻¹ (°C)	0.00078

* 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.