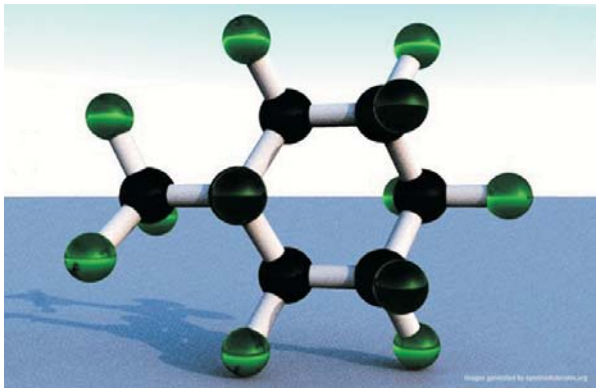
F2 Chemicals Ltd



FLUTEC™ TG-PMCH

Synonyms: Perfluoromethylcyclohexane

CAS Number: 355-02-2

Description & Characteristics

Flutec TG-PMCH, C7F14 is a fully-fluorinated, odourless, colourless liquid with the following characteristics:

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

Applications

Flutec TG-PMCH is used in tracing and tagging applications

Safety & Handling

Although Flutec TG-PMCH is considered biologically and chemically inert, good laboratory practice should be observed when handling. Flutec TG-PMCH 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	76	Specific Heat, kj/kg °C	0.963
Pour Point °C	-30	Critical Temperature, °C	212.8
Molecular Weight	350	Critical Temperature, °K	486.0
Density, kg/l	1.788	Critical Pressure, bar	20.19
Viscosity (kinematic), mm2/s	0.873	Critical Volume, l/kg	1.522
Viscosity, (dynamic), mPas	1.561	Resistivity ohm.cm	$>10^{13}$
Surface Tension, mN/m	15.4	Dielectric Breakdown Strength kV/mm 50Hz	>16
Vapour Pressure, mbar	14.1	Thermal Conductivity, mW/m °C	59.8*
Heat of vaporisation at Boiling Point, kj/kg	85.9	Expansion Coefficient, °C-1(0°C)	0.00138

* Estimated value

The above typical physical properties, in no way form or represent product specification.