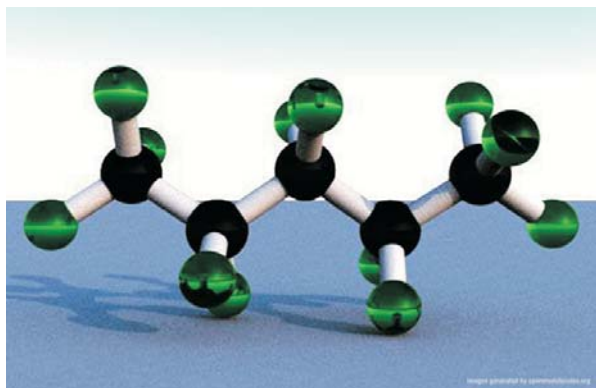




F2 Chemicals Ltd



FLUTEC™ TG-PMCP

Synonyms: Perfluoromethylcyclopentane

CAS Number: 1805-22-7

Description & Characteristics

Flutec TG-PMCP, C₆F₁₂, 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-PMCP is in tracing and tagging applications .

Safety, Handling and Storage

Although Flutec TG-PMCP is considered biologically and chemically inert, good laboratory practice should be observed when handling. Flutec TG-PMCP 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	48	Specific Heat, kj/kg °C	0.878*
Pour Point °C	-70	Critical Temperature, °C	180.8*
Molecular Weight	300	Critical Temperature, °K	454.0*
Density, kg/l	1.707	Critical Pressure, bar	22.64*
Viscosity (kinematic), mm ² /s	0.615	Critical Volume, l/kg	1.567*
Viscosity, (dynamic), mPas	1.049	Thermal Conductivity, mW/m °C	66.4
Surface Tension, mN/m	12.6	Expansion Coefficient, °C ⁻¹ (0°C)	0.00167
Vapour Pressure, mbar	368	Refractive Index, n _{20D}	1.2650
Heat of vaporisation at Boiling Point, kj/kg	90.5*		

* Estimated value

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