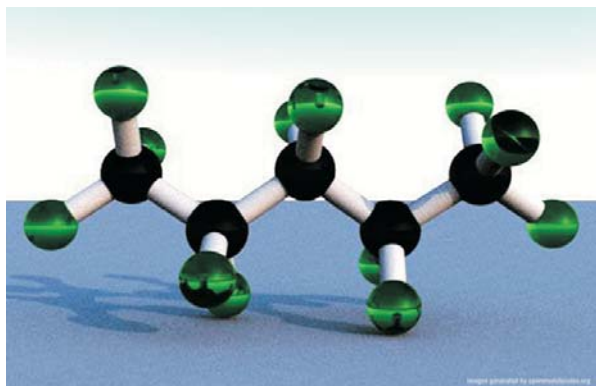




F2 Chemicals Ltd



Perfluoromethylcyclopentane

Synonyms: Perfluoromethylcyclopentane

CAS Number: 1805-22-7

Description & Characteristics

Perfluoromethylcyclopentane, 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

Perfluoromethylcyclopentane is in tracing and tagging applications .

Safety, Handling and Storage

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