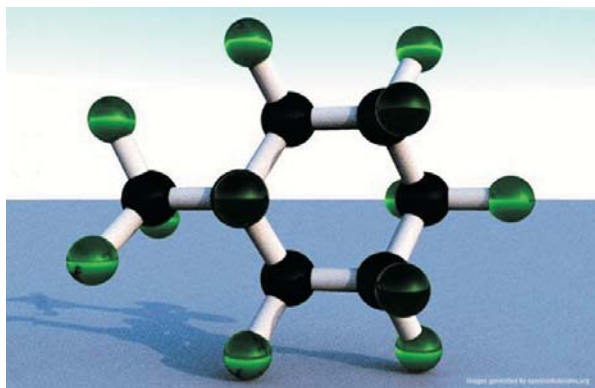




F2 Chemicals Ltd



Perfluoromethylcyclohexane

Synonyms: Perfluoromethylcyclohexane

CAS Number: 355-02-2

Description & Characteristics

Perfluoromethylcyclohexane, 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

Perfluoromethylcyclohexane finds many applications as a fluid for use in the electronics industries for testing and direct contact cooling.

Safety & Handling

Although Perfluoromethylcyclohexane is considered biologically and chemically inert, good laboratory practice should be observed when handling. Perfluoromethylcyclohexane 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), mm ² /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.