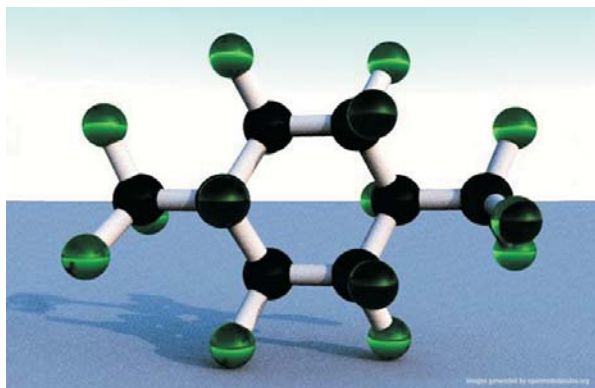




F2 Chemicals Ltd



Perfluoroethylcyclohexane

Synonyms: Perfluoroethylcyclohexane

CAS Number: 335-21-7

Description & Characteristics

Perfluoroethylcyclohexane, C₈F₁₆ 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

Perfluoroethylcyclohexane is used in tracing and tagging applications.

Safety & Handling

Although Perfluoroethylcyclohexane is considered biologically and chemically inert, good laboratory practice should be observed when handling. Perfluoroethylcyclohexane 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	101.7	Kinematic Viscosity	0.94
Melting Point °C	-80	Surface Tension mN/m	15.3
Molecular Weight	400	Critical Temperature, K	508.1
Partition Coefficient (log Kow)	5.6	Critical Temperature, °C	235
(estimated)		Critical Pressure, bar	17.90
Density, g/l	1.829	Vapour Pressure kPa	4.7
Heat of Vaporisation kJ/kg @ bp	82.5	Vapour Density	ca.
Liquid Thermal Conductivity mW/m/K	66.2	0.013 g/ml	
Specific Heat, kJ/kg °C	0.88	Relative Vapour Density (air=1)	10.
Viscosity, (dynamic), mPas	1.71		

* 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.