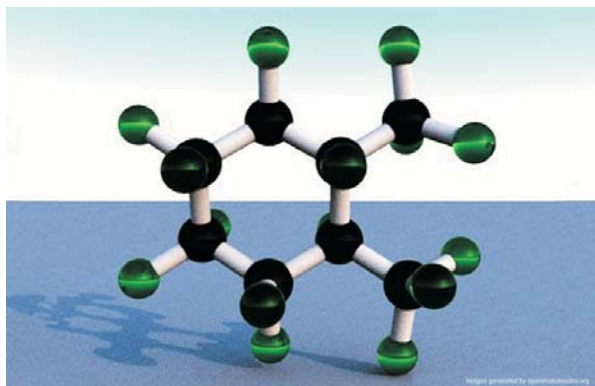




F2 Chemicals Ltd



Perfluoro-1,2-dimethylcyclohexane

Synonyms: Perfluoro-1,2-dimethylcyclohexane

CAS Number: 306-98-9

Description & Characteristics

Perfluoro-1,2-dimethylcyclohexane, 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

Perfluoro-1,2-dimethylcyclohexane is used in tracing and tagging applications.

Safety & Handling

Although Perfluoro-1,2-dimethylcyclohexane is considered biologically and chemically inert, good laboratory practice should be observed when handling. Perfluoro-1,2-dimethylcyclohexane 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	102	Surface Tension mN/m	16.6
Melting Point °C	-22	Critical Temperature, K	514.0
Molecular Weight	400	Critical Temperature, °C	240.9
Density, g/l	1.828	Vapour Pressure kPa	4.8
Liquid Thermal Conductivity mW/m/K	60.0	Vapour Viscosity uPa s	13
Specific Heat, kj/kg °C	0.85	Vapour Density	ca. 0.013 g/ml
Viscosity, (dynamic), mPas	3.12	Relative Vapour Density (air=1)	10.0
Kinematic Viscosity	1.71		

* 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.