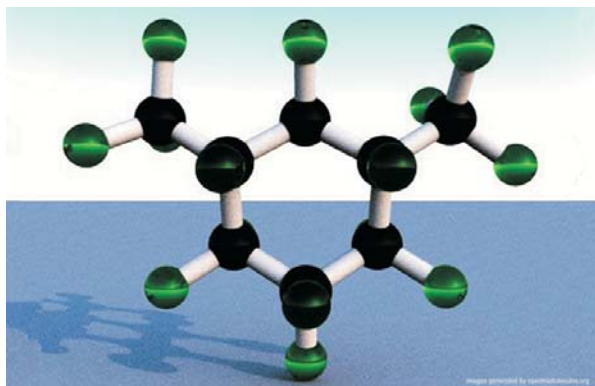




F2 Chemicals Ltd



Perfluoro-1,3-dimethylcyclohexane

Synonyms: Perfluoro-1,3-dimethylcyclohexane

CAS Number: 335-27-3

Description & Characteristics

Perfluoro-1,3-dimethylcyclohexane, C₈F₁₆ is a fully-fluorinated, odourless, colourless liquid.

- Compatibility with most construction materials
- Excellent chemical and thermal stability
- Non flammability
- Practically non-toxic¹

Applications

Perfluoro-1,3-dimethylcyclohexane finds many applications including as a fluid for testing and cooling in the electronics industry and also as a fluid for curing low temperature cure resin systems and various energy transfer applications.

Safety & Handling

Although Perfluoro-1,3-dimethylcyclohexane is considered biologically and chemically inert, good laboratory practice should be observed when handling. Perfluoro-1,3-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	Specific Heat, kj/kg °C	0.963
Pour Point °C	-70	Critical Temperature, °C	241.5
Molecular Weight	400	Critical Temperature, °K	514.7
Density, kg/l	1.828	Critical Pressure, bar	18.81
Viscosity (kinematic), mm ² /s	1.06	Critical Volume, l/kg	1.520
Viscosity, (dynamic), mPas	1.919	Resistivity ohm.cm	>1013
Surface Tension, mN/m	16.6	Dielectric Breakdown Strength kV/mm 50Hz	>20
Vapour Pressure, mbar	48	Thermal Conductivity, mW/m °C	60.4
Heat of vaporisation at Boiling Point, kj/kg	82.9	Expansion Coefficient, °C ⁻¹ (0°C)	0.00123

* Estimated value

The above typical physical properties, in no way form or represent product specification.