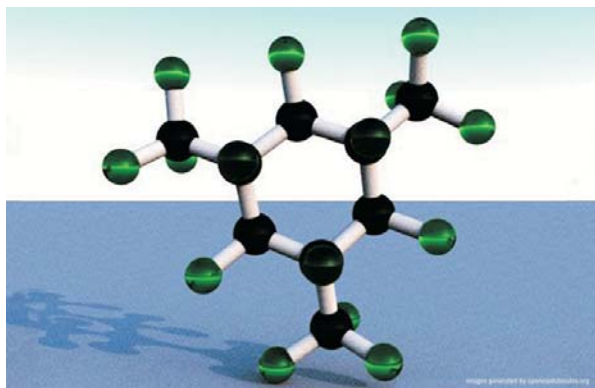




## F2 Chemicals Ltd



### Perfluoro-1,3,5-trimethylcyclohexane

**Synonyms:** Perfluoro-1,3,5-trimethylcyclohexane

**CAS Number:** 374-76-5

#### Description & Characteristics

Perfluoro-1,3,5-trimethylcyclohexane, C<sub>9</sub>F<sub>18</sub> 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-toxic<sup>1</sup>

#### Applications

Perfluoro-1,3,5-trimethylcyclohexane is used as a tracer and taggant.

#### Safety & Handling

Although Perfluoro-1,3,5-trimethylcyclohexane is considered biologically and chemically inert, good laboratory practice should be observed when handling. Perfluoro-1,3,5-trimethylcyclohexane 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	127.4	Kinematic Viscosity,	1.20 mm <sup>2</sup> /s
Melting Point, °C	-68.0	Surface Tension,	17.7 mN/m
Partition Coefficient (log K <sub>ow</sub> ),	6.8 (estimated)	Critical Temperature,	542.0 K
Density, kg/l	1.888	Critical Temperature,	268.9°C
Liquid Thermal Conductivity,	61.1 mW/m/K	Critical Pressure,	18.00 bar
Refractive Index,	1.2973	Vapour Pressure,	1.3 kPa
Specific Heat,	0.96 kJ/kg/K	Vapour Density,	ca. 0.014 g/ml
Viscosity,	2.28 mPa s	Relative Vapour Density,	11.0 (air=1)

\* 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.