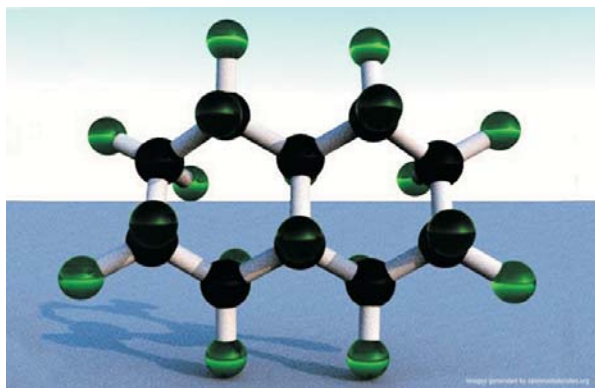




F2 Chemicals Ltd



Perfluorodecalin

Synonyms: Perfluorodecalin

CAS Number: 306-94-5

Description & Characteristics

Perfluorodecalin, C₁₀F₁₈, is a fully-fluorinated, odourless, colourless, non-volatile liquid containing a mixture of cis and trans isomers and has the following characteristics:

- Compatibility with most construction materials
- Non-flammability
- Excellent chemical resistance
- Practically non-toxic¹

Applications

Perfluorodecalin is used in tracing and tagging applications.

Please note that this product is not manufactured to cGMP and is not approved by any regulatory authority any application of this product is undertaken under the users own authorisations and at the users own risk.

Safety & Handling

Although Perfluorodecalin is considered biologically and chemically inert, good laboratory practice should be observed when handling. Perfluorodecalin 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	142	Surface Tension, mN/m	17.6
Pour Point °C	-8	Vapour Pressure, mbar	8.8
Molecular Weight	462	Heat of vaporisation at Boiling Point, kj/kg	78.7
Density, kg/l	1.917	Oxygen solubility ml per 100ml	49
Viscosity (kinematic), mm ² /s	2.66	Refractive index, n _D 20	1.313
Viscosity, (dynamic), mPas	5.10		

* 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.