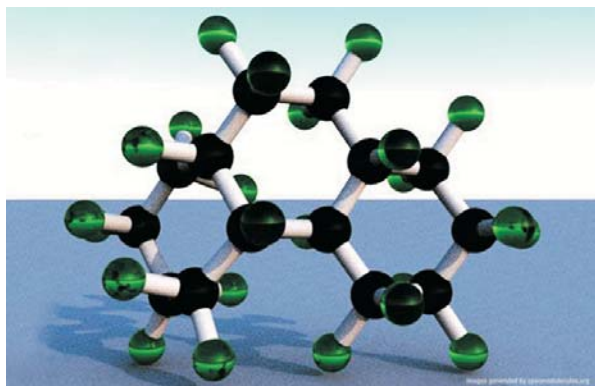




F2 Chemicals Ltd



FLUTEC™ TG-PPHP

Synonyms: Perfluoroperhydrophenanthrene

CAS Number: 306-91-2

Description & Characteristics

Flutec PC11 finds many applications in the cosmetics industry where its addition to formulations can enhance protective and film-forming properties. When loaded with Oxygen it can delivery oxygen to the skin, and its density adds texture to lipsticks and hair products. It is possible to obtain very stable emulsions in glycerol, diglycerol and other polyhydric emulsifying agents.

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

Applications

Flutec TG-PPHP is used in tracing and tagging applications.

Safety, Handling and Storage

Although Flutec TG-PPHP is considered biologically and chemically inert, good laboratory practice should be observed when handling. Flutec TG-PPHP 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	215	Critical Temperature, °C	377*
Pour Point °C	-20	Critical Temperature, oK	650*
Molecular Weight	624	Critical Pressure, bar	14.6*
Density, kg/l	2.03	Critical Volume, l/kg	1.58*
Viscosity (kinematic), mm ² /s	14	Resistivity ohm.cm	>1013
Viscosity, (dynamic), mPas	28.4	Dielectric Breakdown Strength kV/mm 50Hz	>13
Surface Tension, mN/m	19	Thermal Conductivity, mW/m °C	52.6*
Vapour Pressure, mbar	<1	Expansion Coefficient, °C ⁻¹ (0°C)	0.00075
Heat of vaporisation at Boiling Point, kj/kg	68*		

* 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.