

REVISION DATE 27/07/2011



**F2 CHEMICALS LIMITED**  
**SAFETY DATA SHEET**  
**Perfluoroperhydrophenanthrene**

### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

<b>PRODUCT NAME</b>	Perfluoroperhydrophenanthrene
<b>CAS-NO.</b>	306-91-2
<b>EC (EINECS) NO.</b>	400-470-0
<b>SYNONYMS, TRADE NAMES</b>	1, 1, 2, 2, 3, 3, 4, 4, 4a, 4b, 5, 5, 6, 6, 7, 7, 8, 8, 8a, 9, 9, 10, 10, 10a-Tetracosafuorophenanthrene, Perfluoroperhydrophenanthrene
<b>APPLICATION</b>	Performance Liquid
<b>SUPPLIER</b>	F2 Chemicals Ltd. Lea Lane Lea Town Preston Lancs PR4 0RZ UK Tel: +44(0) 1772 775804 Fax: +44(0) 1772 775809 e-Mail: safety@f2chemicals.com
<b>EMERGENCY TELEPHONE</b>	+44(0) 1772 775833 (24 hrs)

### 2 HAZARDS IDENTIFICATION

Not Classified as PBT/vPvB by current EU criteria.

**CLASSIFICATION (67/548)** Not classified.

**CLASSIFICATION (EC 1272/2008)**

Physical and Chemical Hazards	Not classified.
Human health	Not classified.
Environment	Not classified.

**LABEL IN ACCORDANCE WITH (EC) NO. 1272/2008**

Not classified.

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

<b>EC (EINECS) NO.</b>	400-470-0
<b>CAS-NO.</b>	306-91-2

### 4 FIRST-AID MEASURES

**GENERAL INFORMATION**

Non-hazardous substance.

**NOTES TO THE PHYSICIAN**

No specific first aid measures noted.

### 5 FIRE-FIGHTING MEASURES

**EXTINGUISHING MEDIA**

This product is not flammable.

**PROTECTIVE MEASURES IN FIRE**

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

### 6 ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS**

Non-hazardous substance.

**ENVIRONMENTAL PRECAUTIONS**

Avoid release to the environment.

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## Perfluoroperhydrophenanthrene

### SPILL CLEAN UP METHODS

Absorb in vermiculite, dry sand or earth and place into containers.

## 7 HANDLING AND STORAGE

### USAGE PRECAUTIONS

Non-hazardous substance.

### STORAGE CLASS

Unspecified storage.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

### INGREDIENT COMMENTS

No exposure limits noted for ingredient(s).

### PROTECTIVE EQUIPMENT

## 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Clear liquid.
COLOUR	Colourless.
ODOUR	Odourless.
SOLUBILITY	Insoluble in water
MOL. WEIGHT	624
BOILING POINT (°C)	215
MELTING POINT (°C)	-31
RELATIVE DENSITY	2.030
VAPOUR PRESSURE	20 mbar 100°C
VISCOSITY	28.4 mPas
DECOMPOSITION TEMPERATURE (°C)	>400

## 10 STABILITY AND REACTIVITY

### STABILITY

Stable under normal temperature conditions.

### CONDITIONS TO AVOID

Avoid excessive heat for prolonged periods of time.

### HAZARDOUS POLYMERISATION

Will not polymerise.

### MATERIALS TO AVOID

Alkali metals.

### HAZARDOUS DECOMPOSITION PRODUCTS

Fire creates: Hydrogen fluoride (HF).

## 11 TOXICOLOGICAL INFORMATION

### TOXICOLOGICAL INFORMATION

Non-hazardous substance.

## 12 ECOLOGICAL INFORMATION

### MOBILITY

The product is insoluble in water.

### BIOACCUMULATION

Bioaccumulation is unlikely to be significant because of the low water solubility of this product.

### DEGRADABILITY

The product is not readily biodegradable.

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## Perfluoroperhydrophenanthrene

### ACUTE FISH TOXICITY

Not considered toxic to fish.

### 13 DISPOSAL CONSIDERATIONS

#### DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements. Incinerate with provision for removal of effluent gases by scrubber.

### 14 TRANSPORT INFORMATION

ENVIRONMENTALLY HAZARDOUS SUBSTANCE/MARINE POLLUTANT No.

### 15 REGULATORY INFORMATION

#### EU DIRECTIVES

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

### 16 OTHER INFORMATION

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