

REVISION DATE 27/07/2011



**F2 CHEMICALS LIMITED**  
**SAFETY DATA SHEET**  
**Perfluoromethylcyclopentane**

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

<b>PRODUCT NAME</b>	Perfluoromethylcyclopentane
<b>CAS-NO.</b>	1805-22-7
<b>EC (EINECS) NO.</b>	217-298-5
<b>SYNONYMS, TRADE NAMES</b>	1, 1, 2, 2, 3, 3, 4, 4, 5-Nonafluoro-5-(trifluoromethyl)cyclopentane, Perfluoromethylcyclopentane
<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>	217-298-5
<b>CAS-NO.</b>	1805-22-7

### 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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## Perfluoromethylcyclopentane

### 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

<b>APPEARANCE</b>	Clear liquid.
<b>COLOUR</b>	Colourless.
<b>ODOUR</b>	Odourless.
<b>SOLUBILITY</b>	Insoluble in water
<b>MOL. WEIGHT</b>	300
<b>BOILING POINT (°C)</b>	48
<b>MELTING POINT (°C)</b>	-50
<b>RELATIVE DENSITY</b>	1.707
<b>VAPOUR DENSITY (air=1)</b>	10.4
<b>VAPOUR PRESSURE</b>	45 kPa
<b>VISCOSITY</b>	1.86 mPas
<b>DECOMPOSITION TEMPERATURE (°C)</b>	>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.

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## Perfluoromethylcyclopentane

### DEGRADABILITY

The product is not readily biodegradable.

### 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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