

REVISION DATE 27/07/2011



**F2 CHEMICALS LIMITED**  
**SAFETY DATA SHEET**  
**Octafluoropropane**

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

**PRODUCT NAME** Octafluoropropane  
**REACH REGISTRATION NUMBER** 05-2114128991-45-0000  
**CAS-NO.** 76-19-7  
**EC (EINECS) NO.** 200-941-9  
**SYNONYMS, TRADE NAMES** Perfluoropropane, R218  
**APPLICATION** Etchant / cleaner.  
**SUPPLIER** F2 Chemicals Ltd.  
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 Lea Town  
 Preston  
 Lancs PR4 0RZ UK  
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### 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	Liquef. Gas - H280
Human health	Not classified.
Environment	Not classified.

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



**SIGNAL WORD** Warning

**HAZARD STATEMENTS**

H280 Contains gas under pressure; may explode if heated.

**PRECAUTIONARY STATEMENTS**

P410+403 Protect from sunlight. Store in a well-ventilated place.

**PHYSICAL AND CHEMICAL HAZARDS**

Gas or vapour displaces oxygen available for breathing (asphyxiant).

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

**EC (EINECS) NO.** 200-941-9  
**CAS-NO.** 76-19-7

### 4 FIRST-AID MEASURES

**GENERAL INFORMATION**

Non-hazardous substance.

**NOTES TO THE PHYSICIAN**

No specific first aid measures noted.

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## Octafluoropropane

### 5 FIRE-FIGHTING MEASURES

#### EXTINGUISHING MEDIA

This product is not flammable.

#### UNUSUAL FIRE & EXPLOSION HAZARDS

If heated, volume and pressure increases strongly, resulting in explosion of container.

#### 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.

#### SPILL CLEAN UP METHODS

Not relevant

### 7 HANDLING AND STORAGE

#### USAGE PRECAUTIONS

Provide good ventilation.

#### STORAGE PRECAUTIONS

Pressurised container: Must not be exposed to temperatures above 50°C.

#### 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>	188
<b>BOILING POINT (°C)</b>	-36.7
<b>MELTING POINT (°C)</b>	-183
<b>RELATIVE DENSITY</b>	1.32 25°C
<b>VAPOUR DENSITY (air=1)</b>	0.0125
<b>VAPOUR PRESSURE</b>	1600 kPa 50°C
<b>CRITICAL TEMPERATURE (°C)</b>	72
<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. >400°C

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## Octafluoropropane

### 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.

### 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



<b>PROPER SHIPPING NAME</b>	Octafluoropropane (Refrigerant gas R218)
<b>PROPER SHIPPING NAME</b>	Octafluoropropane
<b>ENVIRONMENTALLY HAZARDOUS SUBSTANCE/MARINE POLLUTANT</b>	No.
<b>UN NO. ROAD</b>	2424
<b>ADR CLASS NO.</b>	2.2
<b>ADR CLASS</b>	Class 2.2: Non-flammable, non-toxic gases.
<b>UN NO. SEA</b>	2424
<b>UN NO. AIR</b>	2424
<b>AIR CLASS</b>	2.2

## 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

<b>REVISION DATE</b>	27/07/2011
<b>REV. NO./REPL. SDS GENERATED</b>	2

## Octafluoropropane

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