

REVISION DATE 27/07/2011



**F2 CHEMICALS LIMITED
SAFETY DATA SHEET
FLUTEC PP30**

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

PRODUCT NAME FLUTEC PP30
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.
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 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	Not classified.
Human health	Not classified.
Environment	Not classified.

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



SIGNAL WORD Warning

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.

5 FIRE-FIGHTING MEASURES

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FLUTEC PP30**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**

APPEARANCE	Clear liquid.
COLOUR	Colourless.
ODOUR	Odourless.
SOLUBILITY	Insoluble in water
MOL. WEIGHT	188
BOILING POINT (°C)	-36.7
MELTING POINT (°C)	-183
RELATIVE DENSITY	1.32 25°C
VAPOUR DENSITY (air=1)	0.0125
VAPOUR PRESSURE	1600 kPa 50°C
CRITICAL TEMPERATURE (°C)	72
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. >400°C

HAZARDOUS POLYMERISATION

Will not polymerise.

MATERIALS TO AVOID

Alkali metals.

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FLUTEC PP30**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

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

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DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.