

Product Safety Information Sheet

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis

Date of issue: 02/01/2018 Revision date: 15/12/2017 Version: 4.0

SECTION 1: Identification of	the substance/mixture and of the cor	iipariy/anacitaki	ng			
1.1. Product identifier						
Product form	: Substance					
Substance name	: FLUTEC TG PEP					
UPAC name	uoroethyl)pentane					
CAS-No. : 2690-05-3						
Formula : C7F16						
Synonyms : Perfluoro-3-ethylpentane						
I.2. Relevant identified uses of	f the substance or mixture and uses advised a	gainst				
.2.1. Relevant identified uses						
Main use category	: Industrial use, Professional use					
.2.2. Uses advised against						
No additional information available						
.3. Details of the supplier of the supplication of	the safety data sheet					
2 Chemicals Ltd						
₋ea Town PR4 0RZ Preston - UK						
Г +44 (0) 1772 775800						
afety@f2chemicals.com						
.4. Emergency telephone nul	nber					
mergency number	: +44 (0) 1772 775833 (24 hr)					
SECTION 2 [.] Hazards identifi	cation					
2.1. Classification of the subs	tance or mixture					
2.1. Classification of the subs Classification according to Regula	tance or mixture					
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2.1. Classification of the subs Classification according to Regular Not classified Adverse physicochemical, human	tance or mixture tion (EC) No. 1272/2008 [CLP] health and environmental effects					
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Classification according to Regular Not classified Adverse physicochemical, human To our knowledge, this product does bractice. 2.2. Label elements Labelling according to Regulation No labelling applicable 2.3. Other hazards No additional information available SECTION 3: Composition/in 3.1. Substances Substance type	tance or mixture tion (EC) No. 1272/2008 [CLP] health and environmental effects not present any particular risk, provided it is handle (EC) No. 1272/2008 [CLP] formation on ingredients : Mono-constituent					
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3.2. Mixtures

Not applicable

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SECTI	ON 4: First aid measures			
4.1.	Description of first aid measures			
No addit	ional information available			
4.2.	Most important symptoms and effects	, both acute and delayed		
No addit	ional information available			
4.3.	Indication of any immediate medical a	ttention and special treatment needed		
Treat sy	mptomatically.			
SECTI	ON 5: Firefighting measures			
5.1.	Extinguishing media			
Suitable	extinguishing media :	Water spray. Dry powder. Foam. Carbon dioxide.		
5.2.	Special hazards arising from the subs			
Hazardo fire	us decomposition products in case of :	Toxic fumes may be released.		
5.3.	Advice for firefighters			
Protectio	on during firefighting :	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.		
SECTI	ON 6: Accidental release measu	ires		
6.1.	Personal precautions, protective equip	pment and emergency procedures		
6.1.1.	For non-emergency personnel			
Emerger		Ventilate spillage area.		
6.1.2. No addit	For emergency responders ional information available			
6.2.	Environmental precautions			
Avoid re	lease to the environment.			
6.3.	Methods and material for containment	t and cleaning up		
Methods	for cleaning up :	Take up liquid spill into absorbent material.		
Other inf	formation :	Dispose of materials or solid residues at an authorized site.		
6.4.	Reference to other sections			
For furth	er information refer to section 13.			
SECTI	ON 7: Handling and storage			
7.1.	Precautions for safe handling			
Hygiene	measures :	Do not eat, drink or smoke when using this product. Always wash hands after handling the product.		
7.2.	Conditions for safe storage, including			
Storage	conditions :	Keep container tightly closed.		
7.3.	Specific end use(s)			
No addit	ional information available			
SECTI	ON 8: Exposure controls/persor	nal protection		
8.1.	Control parameters			
No addit	ional information available			
8.2.	Exposure controls			
Environ	Environmental exposure controls:			
Avoid re	lease to the environment.			
SECTI	ON 9: Physical and chemical pro	operties		
9.1.	Information on basic physical and che	emical properties		

9.1. In	formation on basic physical and che	mical properties
Physical sta	te :	Liquid
Appearance	• :	Clear, colorless liquid.
Molecular m	iass :	≈ 388 g/mol
Colour	:	Colourless.

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Odour	: Odourless.
Odour threshold	: Not applicable
рН	: Not applicable.
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: ≈80 °C
Boiling point	: ≈84 °C
Flash point	: No data available
Critical temperature	: šC
Auto-ignition temperature	: Not applicable
Decomposition temperature	: ≈ 400 °C
Flammability (solid, gas)	: Not applicable
Vapour pressure	: ≈ 9.2 kPa
Critical pressure	: ≈ bar
Relative vapour density at 20 °C	: No data available
Relative density	: ≈ 1.783
Solubility	: Soluble in aliphatic hydrocarbons. Soluble in chlorinated hydrocarbons. Insoluble in water.
Log Pow	: No data available
Viscosity, kinematic	: ≈ 0 mm²/s
Viscosity, dynamic	: ≈0 mPa.s
Explosive properties	: None.
Oxidising properties	: None.
Explosive limits	: No data available
9.2. Other information	
Specific conductivity	: ≈ 0.001 pS/m
Refractive index	:≈
Other properties	: Not flammable.
SECTION 10: Stability and reactivity	/

SECT	ION 10: Stabilit	y and reactive
10 1	Reactivity	

The product is non-reactive under normal conditions of use, storage and transport.

ine pro-				
10.2.	Chemical stability			
Stable u	inder normal conditions of use.			
10.3.	Possibility of hazardous reactions			
Stable u	inder normal conditions of use.			
10.4.	Conditions to avoid			
None ur	nder recommended storage and handling conditions (see section 7).			
10.5.	Incompatible materials			
No addit	No additional information available			

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information			
11.1. Information on toxicological	effects		
Acute toxicity (oral)	: Not classified		
Acute toxicity (dermal)	: Not classified		
Acute toxicity (inhalation)	: Not classified		
Skin corrosion/irritation	: Not classified		
	pH: Not applicable.		
Serious eye damage/irritation	: Not classified		
	pH: Not applicable.		
Respiratory or skin sensitisation	: Not classified		
Germ cell mutagenicity	: Not classified		
Carcinogenicity	: Not classified		
Reproductive toxicity	: Not classified		

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STOT-single exposure :	Not classified	
STOT-repeated exposure :	Not classified	
Aspiration hazard :	Not classified	
FLUTEC TG PEP (2690-05-3)		
Viscosity, kinematic	≈ 0 mm²/s	

SECT	ON 12: Ecological information	
12.1.	Toxicity	
Ecology	- general	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Acute ad	quatic toxicity	Not classified
Chronic	aquatic toxicity	Not classified
12.2.	Persistence and degradability	
No addi	tional information available	
12.3.	Bioaccumulative potential	
No addi	tional information available	
12.4.	Mobility in soil	
No addi	tional information available	
12.5.	Results of PBT and vPvB assessment	
No addit	tional information available	
12.6.	Other adverse effects	

No additional information available

SECTION 13: Disposal consideration	ons
13.1. Waste treatment methods	
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN				
ADR	IMDG	IATA		

. . . .

ADR	IMDG	ΙΑΤΑ	ADN	RID
14.1. UN number				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shippi	ng name			
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard	class(es)			
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

14.6. Special precautions for user

- Overland transport

Not regulated

- Transport by sea

Not regulated

- Air transport Not regulated

- Inland waterway transport Not regulated

- Rail transport

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14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions FLUTEC TG PEP is not on the REACH Candidate List FLUTEC TG PEP is not on the REACH Annex XIV List

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

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F2 template (no freezing point)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product