

FLUOEX 1



SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME Recommended use	FLUOEX 1 Fire Fighting Foam Concentrate
MANUFACTURER Address	3FFF LIMITED 85B Brunel Road, Earlstree Industrial Estate, Corby, Northants, NN17 4JW, UNITED KINGDOM
Phone n°	+44(0)1536 202919 or EMERGENCY N°+44 (0)7801 850011
Fax n°	+44(0)1536 263641
E-mail	sales@3fff.co.uk

2. HAZARDS AND IDENTIFICATION

Health Hazards • Main symptoms	Irritating to eyes Tingling feeling
Physical and chemical hazards • Fire or explosion	Not flammable /
Specific risks	This product is classified Xi: Irritant under European directive 1999/45/EC

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Characteristics	Aqueous solution of surfactants
Hazardous components	ButylDiGlycol Ether (ButylCarbitol)[25 - 30%] Xi ; R36 / CAS N° : 112-34-5 / EINECS 203-961-6 AlkylSulfate.....[5 -10%].....Xi; R36/38 AlkylBetaine.....[1 - 5%].....Xi; R36 Fluorosurfactants.....[1 - 5%].....F; R10

4. FIRST AID MEASURES

Skin contact	Wash off with water. Remove contaminated soaked clothing and rinse with water
Eye contact	Flush eye with plenty of water for at least 10 minutes maintaining open eyelids
Swallowing	Wash mouth with water. Seek medical advice
Inhalation	If there are any signs of nausea or sickness, seek medical advice

5. FIRE FIGHTING MEASURES

Extinguishing media	Fire fighting foam concentrate not flammable
Specific risks	Aqueous solution: does not present specific risk in the case of fire

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear impervious clothes, gloves and goggles
Environmental protection	Absorb onto sand or other absorbent material and shovel into container for disposal
CLEANING MEASURES • Collecting • Cleaning • Disposal	Pump into clearly identified unbreakable containers Wash thoroughly with water Incineration according to local regulations



Tel. +44 (0) 1536 202919 • Fax +44 (0) 1536 263641 • sales@3fff.co.uk

85B Brunel Road, Earlstree Industrial Estate,
Corby, Northants, NN17 4JW, United Kingdom

V.A.T. Registration No: 938 9418 70 • Registered in England: 06236589

No: FM 560021

Revised DECEMBER 2012
Printing date: 29/12/2012
Page 1 of 3

www.3fff.co.uk

FLUOEX 1



SAFETY DATA SHEET

7. HANDLING AND STORAGE

HANDLING	Does not require specific technical equipment
STORAGE	
<ul style="list-style-type: none">• Technical measures• Storage conditions• Storage recommendations	Storage area should contain accidental spill Sealed containers in normal cool warehouse Product in bulk: stainless steel, polyester or mild steel protected with epoxy or polyurethane coating. Tanks in PE, PP
PACKAGING MATERIALS	
<ul style="list-style-type: none">• Recommended• Not advised• Recommended sealing	Polyethylene, Polypropylene, stainless steel Mild steel, iron Viton, Kevlar, Teflon

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT	
<ul style="list-style-type: none">• Hand protection• Eye protection• Body protection	Impermeable gloves (PVC) if continual handling Goggles Working clothes
HYGIENIC MEASURES	Eye washing solution and washer eye cup DO NOT eat, drink or smoke while handling the product Clean hands after working with any chemical products

9. PHYSICAL AND CHEMICAL PROPERTIES

<ul style="list-style-type: none">• Physical form• Colour / Odour• pH at 20°C• Freezing point• Boiling point• Flammability / oxidising / explosive properties• Specific gravity at 20°C• Solubility	Liquid Yellow / Synthetic smell 8.0 +/- 1.0 -21 ⁰ C +100 ⁰ C None 1010 +/- 20 Kg/m ³ Completely soluble in water
--	--

10. STABILITY AND REACTIVITY

Thermal decomposition	Stable under normal conditions of use and storage
Hazardous reactions	None expected in standard use

11. TOXICOLOGICAL DATA

Acute toxicity	Not classified as toxic if swallowed
Local effects on the eye and skin	Irritating to eyes (pure) Not irritating to eyes and skin at 1%



Tel. +44 (0) 1536 202919 • Fax +44 (0) 1536 263641 • sales@3fff.co.uk

85B Brunel Road, Earlstree Industrial Estate,
Corby, Northants, NN17 4JW, United Kingdom

V.A.T. Registration No: 938 9418 70 • Registered in England: 06236589

No: FM 560021

Revised DECEMBER 2012
Printing date: 29/12/2012
Page 2 of 3

www.3fff.co.uk

FLUOEX 1



SAFETY DATA SHEET

12. ECOLOGICAL DATA

ENVIRONMENTAL BEHAVIOUR <ul style="list-style-type: none">• Biodegradation data	COD = 769 g O ₂ / l BOD ₅ = 291 g O ₂ / l = 38% after 5 days FLUOEX 1 is readily biodegradable; foaming agent if discharged in water PerFluoroCompounds –PFCs- are persistent in the environment PFCs are suspected to bio accumulate in living beings
ECOTOXICITY <ul style="list-style-type: none">• Bio accumulative• Aquatic life toxicity	Not expected to be toxic after dilution

13. DISPOSAL CONDITIONS

PRODUCT <ul style="list-style-type: none">• Prohibition• Disposal	Do not discharge in the environment Small amounts of product do not interfere with water treatment facilities If released in sewage system accidentally, it is recommended to control a slow flow rate in order to avoid any excess foaming
PACKAGING <ul style="list-style-type: none">• Prohibition• Cleaning• Disposal	Do not discharge in the environment Rinse with plenty of water Incineration or an agreed method for package recycling

14. TRANSPORT INFORMATION

INTERNATIONAL REGULATIONS <ul style="list-style-type: none">• Road - RID/ADR• Sea - OMI/MDG• Air - ICAO/IATA	Non hazardous Non hazardous Non hazardous
---	---

15. REGULATORY INFORMATION

LABELLING <ul style="list-style-type: none">• CE regulations• Hazard symbol• R phrases• S phrases	Classified Xi R36: Irritating to eyes S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
---	--

16. OTHER INFORMATION

Rules of drafting R Phrases as mentioned in section 3	This Safety Data Sheet complies with European directive 1907/2006EC Article 31 R36/38: Irritating to eyes and skin R10: Flammable
--	---



No: FM 560021

Tel. +44 (0) 1536 202919 • Fax +44 (0) 1536 263641 • sales@3fff.co.uk

85B Brunel Road, Earlstree Industrial Estate,
Corby, Northants, NN17 4JW, United Kingdom

V.A.T. Registration No: 938 9418 70 • Registered in England: 06236589

Revised DECEMBER 2012
Printing date: 29/12/2012
Page 3 of 3

www.3fff.co.uk