



Safety Data Sheet for FATSEAL

1. PRODUCT AND COMPANY IDENTIFICATION	
TRADE NAME	FATSEAL
RECOMMENDED USE	Fire Fighting Foam Concentrate
MANUFACTURER	3FFF
ADDRESS	Unit C, Marconi Courtyard, Brunel Road, Earlstree Industrial Estate, Corby, Northants, NN17 4LT, United Kingdom
TELEPHONE / EMAIL	+44(0) 1536 202 919 / enquiries@3fffuk.com
2. COMPOSITION / INFORMATION ON INGREDIENTS	
CHEMICAL CHARACTERISATION	Aqueous Solution of Surfactants
HAZARDOUS COMPONENTS	ButylDiGlycol Ether (ButylCarbotl)..... [5-10%] Xi ; R36 / CAS No : 112-34-5 / EINECS 203-951-6 AlkylSulfate..... [1-5%] Xi ; R36/38 FluoroSurfactant..... [<1%] F ; R10 Ethanol..... [1-5%] F ; R11 / CAS No : 64-17-5 / EINECS 200-578-6
3. HAZARDS IDENTIFICATION	
HEALTH HAZARDS	Irritating to eyes and skin
PHYSICAL AND CHECMIAL HAZARDS	Not Flammable
SPECIFIC RISKS	This product has been classified as Xi : Irritant under European directive 1999/45/EC
4. FIRST AID MEASURES	
AFTER SKIN CONTACT	Wash off with water. Remove and contaminated or soaked clothing and rinse with water
AFTER EYE CONTACT	Flush eye with plenty of water for at least 10 minutes
AFTER SWALLOWING	Wash mouth with water. Seek medical advice should pain occur and persist
AFTER INHALTION	If there are any signs or Norcia or sickness, seek medical advice

5. FIRE FIGHTING MEASURES	
EXTINGUISHING MEDIA	Not applicable. Fire fighting foam concentrate
PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS	Standard equipment against fires
PORTABLE FIRE EXTINGUISHER	Basic extinguisher operational and risk identification training is the minimum requirement
6. ACCIDENTAL RELEASE MEASURES	
PERSONAL PRECAUTIONS	Wear gloves and goggles
ENVIRONMENTAL PROTECTION	Absorb onto sand other absorbent material and shovel into container for disposal
CLEANING MEASURES	
COLLECTING	Pump into clearly identified unbreakable containers
CLEANING	Wash thoroughly with water
DISPOSAL	Incinerating according to local regulations
7. HANDLING AND STORAGE	
HANDLING	Standard equipment against chemicals
STORAGE	
TECHNICAL MEASURES	Storage area should contain accidental spill equipment.
STORAGE CONDITIONS	Sealed containers in normal, cool warehouse.
STORAGE RECOMMENDATIONS	Product in bulk: Stainless steel, polyester or mild steel protected with epoxy or polyurethane coating. Tanks in PE, PP
PACKAGING MATERIAL	
RECOMMENDED	Polyethylene, Polypropylene, Stainless Steel
NOT ADVISED	Mild Steel, Iron, Aluminium, Copper and its' Alloys
RECOMMENDED SEALING	Viton, Kevlar, Teflon
8. EXPOSURE CONTROL AND PERSONAL PROTECTION	
PERSONAL PROTECTIVE EQUIPMENT	
HAND PROTECTION	Impermeable gloves (PVC) if continual handling
EYE PROTECTION	Goggles
BODY PROTECTION	Working clothes
HYGIENIC MEASURES	DO NOT eat, drink or smoke while handling the product, wash hands after working.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FOAM	Liquid
COLOUR / ODOUR	Light Orange, Synthetic Smel
PH	8.0 +/- 1.0
FREEZING POINT	-15°C
BOILING POINT	+100°C
FLAMMABILITY / OXIDISING / EXPLOSIVE PROPERTIES	None
SPECIFIC GRAVITY at 20°C	1040 +/- 20Kg / m ³
SOLUBILITY	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	None to be expected
LOCAL EFFECTS ON EYES AND SKIN	Irritating to the eyes and skin (pure). Not irritant at the recommended concentration of use

12. ECOLOGICAL DATA

BIODEGREDATION DATA (50% VOLUME)	COD = N/A mg O ₂ / l
BIODEGREDATION RATE	BOD ₂ = N/A mg O ₂ / l BOD ₃ = N/A mg O ₂ / l
BIO ACCUMULATIVE	= 99% after 15 days : FATSEAL is readily biodegradable
ECOTOXICITY	
AQUATIC LIFE TOXICITY	Foaming agent if discharged in water Perfluorinated organic compounds persist in environment PFCs are suspected to bio accumulate in living beings Not expected to be toxic and dilution

13. DISPOSAL CONDITIONS

PACKAGING	
PROHIBITION	Do not discharge into the environment
CLEANING	Rinse with plenty of water
DISPOSAL	Incineration or an agreed method for package recycling

13. DISPOSAL CONDITIONS CONTINUED	
PRODUCT	
PROHIBITION	Do not discharge into the environment
DISPOSAL	<p>Small amounts of product do not interfere with water treatment facilities.</p> <p>If released in sewage system accidentally, it is recommended to restrict where possible and if not, to control a slow rate in order to avoid any excess foaming. Big quantities must be treated as chemical waste according to local regulations and any volume of material would be deemed a trade waste under local regulations.</p>
14. TRANSPORT INFORMATION	
INTERNATIONAL REGULATIONS	
ROAD - RID/ADR	Non Hazardous
SEA - OMI/IMDG	Non Hazardous
AIR - ICAO/IATA	Non Hazardous
15. REGULATORY INFORMATION	
LABELLING	
CE REGULATIONS	Classified
HAZARD SYMBOL	Xi
R PHRASES	R 36/38 Irritating to eyes and skin
S PHRASES	<p>S 20/21 When using do not eat, drink or smoke</p> <p>S 24 Avoid contact with skin</p> <p>S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice</p> <p>S 28 After contact with skin, wash immediately with plenty of water</p>
16. OTHER INFORMATION	
RULES OF DRAFTING	This material safety data sheet complies with the European directive 1907/2006EC
R Phrases as mentioned in section 4	<p>R10 Flammable</p> <p>R11 Highly Flammable</p> <p>R36/38 Irritating to eyes and skin</p>