

Wet Chemical Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME Recommended use	FATSEAL Fire Fighting Foam Concentrate
MANUFACTURER • Address	3 FFF LIMITED Unit C, Marconi Courtyard, Brunel Road, Earlstree ind est, Corby, Northants, NN17 4LT, UNITED KINGDOM

2. HAZARDS AND IDENTIFICATION

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

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Characteristics	Aqueous solution of surfactants	
Hazardous components	ButylDiGlycol Ether (ButylCarbitol).....	5 – 10%
	Xi ; R36 / CAS No: 112-34-5 / EINECS NO: 203-951-6	
	AlkylSulfate.....	1 – 5%
	Xi; R36/38	
	Fluorosurfactant.....	1 – 5%
	F; R10	
	Ethanol.....	1 – 5%
	F; R11 / CAS No: 64-17-5 / EINECS No: 200-578-6	

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
Swallowing	Wash mouth with water. Seek medical advice should pain occur and persist
Inhalation	If there are any signs of nausea 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 extinguishers	Basic extinguisher operational and risk identification training is minimum requirement

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear gloves and goggles
Environmental protection	Absorb onto sand or other absorbent material and shovel into container for disposal
CLEANING MEASURES:	
<ul style="list-style-type: none"> Collecting 	Pump into clearly identified unbreakable containers
<ul style="list-style-type: none"> Cleaning 	Wash thoroughly with water
<ul style="list-style-type: none"> Disposal 	Incineration according to local regulations

7. HANDLING AND STORAGE

HANDLING:	Standard equipment against chemicals
STORAGE:	
<ul style="list-style-type: none"> Technical measures 	Storage area should contain accidental spill
<ul style="list-style-type: none"> Storage conditions 	Sealed containers in normal cool warehouse
<ul style="list-style-type: none"> Storage recommendations 	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 	Polyethylene, Polypropylene, stainless steel
<ul style="list-style-type: none"> Not advised 	Mild steel, iron, aluminium, copper and its alloys
<ul style="list-style-type: none"> Recommended sealing 	Viton, Kevlar, Teflon

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

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

9. PHYSICAL AND CHEMICAL PROPERTIES

<ul style="list-style-type: none"> Physical form Colour / Odour pH Freezing point Boiling point Flammability / oxidising / explosive properties Specific gravity at 20°C Solubility 	<ul style="list-style-type: none"> Solubility liquid Light orange / Synthetic smell 8.0 +/- 1.0 -15⁰C +100⁰C None 1040 +/- 20 Kg/m³ 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 the eye and skin	Irritating to eyes and skin (pure) Not irritant at the recommended concentration of use

12. ECOLOGICAL DATA

<p>ENVIRONMENTAL BEHAVIOUR:</p> <ul style="list-style-type: none"> Biodegradation data (50% volume) Biodegradation rate Bio accumulative 	<p>COD = Not available mg O₂ / l</p> <p>BOD₅ = Not available mg O₂ / l</p> <p>BOD₁₅ = Not available mg O₂ / l</p> <p>= 99% after 15 days : FATSEAL is readily biodegradable</p>
<p>ECOTOXICITY:</p> <ul style="list-style-type: none"> Aquatic life toxicity 	<p>Foaming agent if discharged in water</p> <p>PerFluorinated Organic Compounds persist in environment</p> <p>PFCs are suspected to bio accumulate in living beings</p> <p>Not expected to be toxic after dilution</p>

13. DISPOSAL CONDITIONS

<p>PRODUCT:</p> <ul style="list-style-type: none"> • Prohibition • Disposal <p>PACKAGING:</p> <ul style="list-style-type: none"> • Prohibition • Cleaning • Disposal 	<p>Do not discharge in the environment</p> <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 flow 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> <p>Do not discharge in the environment</p> <p>Rinse with plenty of water</p> <p>Incineration or an agreed method for package recycling</p>
---	--

14. TRANSPORT INFORMATION

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

15. REGULATORY INFORMATION

<p>LABELLING</p> <ul style="list-style-type: none"> • CE regulations • Hazard symbols • R phrases • S phrases 	<p>Classified</p> <p>Xi</p> <p>R 36/38 Irritating to eyes and skin</p> <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

<p>Rules of drafting</p> <p>R Phrases as mentioned in section 3</p>	<p>This Material Safety Data Sheet complies with European directive 1907/2006EC Article 31</p> <p>R10 Flammable</p> <p>R11 Highly Flammable</p> <p>R36/38 Irritating to eyes and skin</p>
---	---