

# WATER ADDITIVE SAFETY DATA SHEET



## 1. PRODUCT AND COMPANY IDENTIFICATION

<b>TRADE NAME</b> Recommended use <b>MANUFACTURER</b> <b>Address</b>  <b>Phone no.</b> <b>Fax no.</b> <b>E-mail</b>	<b>WATER ADDITIVE</b> <b>FIRE FIGHTING WATER ADDITIVE</b> <b>3FFF</b> Unit C, Marconi Courtyard, Brunel Road, Earlstree ind est, Corby, Northants, NN17 4LT, UNITED KINGDOM +44(0)1536 202919 +44(0)1536 263641 enquiries@3fffuk.com
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## 2. COMPOSITION / INFORMATION ON INGREDIENTS

<b>Chemical characterisation</b> <b>Hazardous components</b>	Aqueous solution of surfactants ButylDiGlycol Ether ( ButylCarbitol ) ..... [5-10%] Xi : R36 / CAS N° : 112-34-5 / EINECS 203-961-6 AlkylSulfate ..... [1-5%] Xi : R36/38 FluoroSurfactant ..... [<1%] F ; R10
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## 3. HAZARDS IDENTIFICATION

<b>Health hazards</b> <b>Physical and chemical hazards</b> <b>Specific risks</b>	Irritating to eyes and skin Not flammable This product is not classified as hazardous under European directive 1999/45/EC
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## 4. FIRST AID MEASURES

After skin contact After eye contact After swallowing	Wash off with water. Remove contaminated soaked clothing and rinse with water Flush eye with plenty of water for at least 10 minutes Wash mouth with water. Seek medical advice should pain occur and persist
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## 5. FIRE FIGHTING MEASURES

<b>Extinguishing media</b> <b>Protective equipment for fire fighters</b>	Not applicable. Standard equipment against fires
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## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b> <b>Environmental protection</b> <b>CLEANING MEASURES:</b> Collecting Cleaning Disposal	Wear gloves and goggles Absorb onto sand or other absorbent material and shovel into container for disposal  Pump into clearly identified unbreakable containers Wash thoroughly with water Incineration according to local regulations
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## 7. HANDLING AND STORAGE

<b>HANDLING:</b> <b>STORAGE:</b> Technical measures Storage conditions Storage recommendations <b>Packaging material:</b> Recommended Not advised Recommended sealing	Standard equipment against chemicals  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 Polyethylene, Polypropylene, stainless steel Mild steel, iron, aluminium, copper and its alloys Viton, Kevlar, Teflon
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## 8. EXPOSURE CONTROL AND PERSONAL PROTECTION

<b>PERSONAL PROTECTIVE EQUIPMENT:</b> Hand protection Eye protection Body protection <b>HYGIENIC MEASURES:</b>	Impermeable gloves (PVC) if continual handling Goggles Working clothes DO NOT eat, drink or smoke while handling the product. Clean hands after working
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### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE:</b>	
<input type="checkbox"/> Physical form	Liquid
<input type="checkbox"/> Colour / Odour	Yellow, synthetic smell
<input type="checkbox"/> PH	8.0 +/- 1.0
<input type="checkbox"/> Freezing point	- 5°C
<input type="checkbox"/> Boiling point	+ 100 °C
<input type="checkbox"/> Flammability / oxidising / explosive properties	None
<input type="checkbox"/> Specific gravity at 20°C	1010 +/- 20 Kg / m <sup>3</sup>
<input type="checkbox"/> 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 the eye and skin	Irritating to eyes and skin (pure) Not irritant at the recommended concentration of use

### 12. ECOLOGICAL DATA

<b>ENVIRONMENTAL BEHAVIOUR:</b>	
<input type="checkbox"/> Biodegradation data ( 6% volume )	COD = 10200 mg O <sub>2</sub> / l [ Test CE C5] BOD <sub>12</sub> = 9121 mg O <sub>2</sub> / l [ Test CE C6] = 89% after 5 days : WATER ADDITIVE is readily biodegradable
<input type="checkbox"/> Biodegradation rate	Foaming agent if discharged in water
<input type="checkbox"/> Bio accumulative	PerFluorinated Organic Compounds persist in environment
<b>ECOTOXICITY:</b>	
<input type="checkbox"/> Aquatic life toxicity	PFCs are suspected to bio accumulate in living beings Not expected to be toxic after dilution

### 13. DISPOSAL CONDITIONS

<b>PRODUCT:</b>	
<input type="checkbox"/> Prohibition	Do not discharge in the environment
<input type="checkbox"/> Disposal	Small amounts of product do not interfere with water treatment facilities. If released in sewage system, it is recommended to control the flow rate in order to avoid any foaming excess. Big quantities should be treated as chemical waste according to local regulations
<b>PACKAGING:</b>	
<input type="checkbox"/> Prohibition	Do not discharge in the environment
<input type="checkbox"/> Cleaning	Rinse with plenty of water
<input type="checkbox"/> Disposal	Incineration or an agreed method for package recycling

### 14. TRANSPORT INFORMATION

<b>INTERNATIONAL REGULATIONS</b>	
<input type="checkbox"/> Road - RID/ADR	Non hazardous
<input type="checkbox"/> Sea - OMI/IMDG	Non hazardous
<input type="checkbox"/> Air - ICAO/IATA	Non hazardous

### 15. REGULATORY INFORMATION

<b>LABELLING</b>	
<input type="checkbox"/> CE regulations	Not Classified
<input type="checkbox"/> Hazard symbols	Not applicable
<input type="checkbox"/> S phrases	S20/21: When using do not eat, drink or smoke.

### 16. OTHER INFORMATIONS

Rules of drafting	This Material Safety Data Sheet complies with ISO 11014-1. It is redacted in accordance to European directive 2001/58/EC
Edition date	30/01/2008
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