

## Water Additive Concentrate Safety Data Sheet

| 1. PRODUCT AND COMPANY IDENTIFICATION       |  |
|---|--|
| <b>MATERIAL IDENTIFICATION</b>              |  |
| PRODUCT                                     | Water Additive   |
| SYNONYMS                                    | Aqueous Film Forming Foam (AFFF), GENEX 6E   |
| CAS No                                      | Mixture - no single CAS # applicable   |
| <b>COMPANY IDENTIFICATION</b>               |  |
| ADDRESS                                     | 3FFF, 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. HAZARDS IDENTIFICATION                   |  |
| HEALTH HAZARDS                              | Irritating to eyes and skin  |
| PHYSICAL AND CHEMICAL HAZARDS               | Not flammable  |
| SPECIFIC RISKS                              | This product is not classified as hazardous under European directive 1999/45/EC  |
| 3. COMPOSITION / INFORMATION ON INGREDIENTS |  |
| CHEMICAL CHARACTERISATION                   | Aqueous Solution of Surfactants  |
| HAZARDOUS COMPONENTS                        | ButylDiGlycol Ether (ButylCarbitol)..... [5-10%]<br>Xi ; R36 / CAS No : 112-34-5 / EINECS 203-951-6<br>AlkylSulphate..... [1-5%]<br>Xi ; R36/38<br>Fluorosurfactant.....[<1%]<br>F ; R10 |
| 4. FIRST AID MEASURES                       |  |
| AFTER SKIN CONTACT                          | Wash off with water. Remove 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 & persist   |

| <b>5. FIRE FIGHTING MEASURES</b>                   |  |
|--|--|
| EXTINGUISHING MEDIA                                | Not flammable. Fire fighting foam concentrate  |
| PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS             | Standard equipment against fires   |
| <b>6. ACCIDENTAL RELEASE MEASURES</b>              |  |
| PERSONAL PRECAUTIONS                               | Wear gloves and goggles  |
| ENVIRONMENTAL PROTECTION                           | Absorb into sand other absorbent material and shovel into suitable container for disposal              |
| <b>CLEANING MEASURES</b>                           |  |
| COLLECTING   | Pump into clearly identified unbreakable containers  |
| CLEANING   | Wash thoroughly with water   |
| DISPOSAL   | Incineration according to local regulations  |
| <b>7. HANDLING AND STORAGE</b>                     |  |
| HANDLING   | Standard equipment against chemicals   |
| <b>STORAGE</b>                                     |  |
| TECHNICAL MEASURES                                 | Storage area should contain accidental spill equipment   |
| STOARGE CONDITIONS                                 | Sealed containers in normal, cool warehouse  |
| STORAGE RECOMMENDATIONS                            | Product in bulk: Stainless steel, polyester or mild steel protected with epoxy or polyurethane coating |
| <b>PACKAGING MATERIAL</b>                          |  |
| RECOMMENDED  | Polyethylene, Polypropylene, Stainless Steel   |
| NOT ADVISED  | Mild Steel, Iron, Aluminium, Copper and its Alloys   |
| RECOMMENDED SEALING                                | Viton, Kevlar, Teflon  |
| <b>8. EXPOSURE CONTROL AND PERSONAL PROTECTION</b> |  |
| <b>PERSONAL PROTECTIVE EQUIPMENT</b>               |  |
| 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<br>Wash hands after working                      |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|   |                                |
|---|--------------------------------|
| PHYSICAL FORM                                   | Liquid                         |
| COLOUR / ODOUR                                  | Yellow / synthetic smell       |
| PH  | 8.0 +/- 1.0                    |
| FREEZING POINT                                  | -5°C                           |
| BOILING POINT                                   | +100°C                         |
| FLAMMABILITY / OXIDISING / EXPLOSIVE PROPERTIES | None                           |
| SPECIFIC GRAVITY AT 20°C                        | 1010 +/- 20Kg / m <sup>3</sup> |
| 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

|                         |   |
|-------------------------|---|
| ENVIRONMENTAL BEHAVIOUR | COD = 10200mg O <sub>2</sub> /l [Test CE C5]<br>BOD <sub>12</sub> = 9121mg O <sub>2</sub> /l [Test CE C6] |
| BIODEGREDATION DATA     | 89% after 5 days: GENEX 6E is readily biodegradable   |
| BIODEGREDATION RATE     | Foaming agent if discharged in water  |
| BIO ACCUMULATIVE        | PerFlourinated Organic Compounds persist in environment   |
| <b>ECOTOXICITY</b>      |   |
| AQUATIC LIFE TOXICITY   | Not expected to be toxic after dilution   |

## 13. DISPOSAL CONDITIONS

|                  |  |
|------------------|--|
| <b>PACKAGING</b> |  |
| 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                          | Small amounts of product do not interfere with water treatment facilities.<br>If released in sewage system accidentally, it is recommended to control a slow rate in order to avoid any excess foaming. Large quantities should be treated as chemical waste according to local regulations |
| 14. TRANSPORT INFORMATION         |   |
| INTERNATIONAL REGULATIONS         |   |
| ROAD - RID/ADR                    | Non Hazardous   |
| SEA - OMI/MDG                     | Non Hazardous   |
| AIR - ICAO/IATA                   | Non Hazardous   |
| 15. REGULATORY INFORMATION        |   |
| LABELLING                         |   |
| CE REGULATIONS                    | Not classified  |
| HAZARD SYMBOL                     | Not applicable  |
| S PHRASES                         | <b>S 20/21</b><br>When using do not eat, drink or smoke   |
| 16. OTHER INFORMATION             |   |
| RULES OF DRAFTING                 | This Safety Data Sheet complies with ISO 11014-1 it is redacted in accordance to European directive 2001/58/EC  |

# UltraFire

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