

**MATERIAL SAFETY DATA SHEET**  
**For GENEX 1R**  
**High Performance Aqueous Film Forming Foam**

**Section 1: CHEMICAL PRODUCT / COMPANY IDENTIFICATION**

**Material Identification**

Product: Fire fighting foam concentrate for fire extinguishers

CAS No: Mixture - No Single CAS # Applicable.

**Company Identification**

**Manufacturer:** 3FFF, Unit C Marconi Courtyard, Brunel Road, Earlstree Industrial Estate, Corby, Northants. NN17 4LT. Tel: 0044 (0)1536 202919, Fax: 0044(0)1536 263641, Email: enquiries@3fffuk.com

**Section 2: COMPOSITION / INFORMATION ON INGREDIENTS**

**Chemical Characterisation**

Aqueous solution of surfactants.

**Hazardous Components:**

ButylDiGlycol Ether (ButylCarbitol)	[5-10%]	Xi; R36 / CAS No: 112-34-5 / EINICS 203-961-6
Akylsulfate	[1-5%]	Xi; R36/38
Fluourosurfactant	[1-5%]	F; R10

**Section 3: HAZARDS IDENTIFICATION**

**Health Hazards**

Slightly irritating to eyes and skin

**Physical and Chemical Hazards**

Non flammable

**Specific Risks**

This product is not classified as hazardous under European Directive 1999/45/EC

**Section 4: FIRST AID MEASURES**

**After skin contact**

Wash off with water. Remove contaminated / 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.

**Section 5 FIRE FIGHTING MEASURES**

**Extinguishing Media**

Not applicable. Fire fighting foam concentrate.

**Protective Equipment For Fire Fighters**

Standard equipment against fires.

## **Section 6 ACCIDENTAL RELEASE MEASURES**

### **Personal Precautions**

Wear gloves and goggles

### **Environmental Protection**

Absorb into sand or other absorbent material and shovel into container for disposal.

## **CLEANING MEASURES**

### **Collecting**

Pump into clearly identifiable unbreakable containers.

### **Cleaning**

Wash thoroughly with water.

### **Disposal**

Incineration according to local regulations.

## **Section 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.

## **Section 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.

## **Section 9 PHYSICAL AND CHEMICAL PROPERTIES**

### **Physical Form**

Liquid

### **Colour / Odour**

Pink, Synthetic Smell

### **pH**

8.0  $\pm$  1.0

### **Freezing Point**

-12°C

### **Boiling Point**

+100°C.

### **Flash Point**

None.

### **Specific Gravity @ 20°C**

1050  $\pm$  20Kg / m<sup>3</sup>.

### **Solubility**

Completely soluble in water.

## **Section 10 STABILITY AND REACTIVITY**

### **Thermal Decomposition**

Stable under normal conditions of use and storage

### **Hazardous Reactions**

None expected in standard use.

## **Section 11 TOXICOLOGICAL DATA**

### **Acute Toxicity**

None to be expected.

### **Local Effects On The Eyes & Skin**

Not irritant at the recommended concentration of use.

## **Section 12 ECOLOGICAL DATA**

### **ENVIRONMENTAL BEHAVIOUR**      **COD / BOD not available.**

GENEX 1R is expected to be readily biodegradable.

PerFlourinated Organic Compounds persist in environment.

PFCs are suspected to bio accumulate in living beings.

### **ECOTOXICITY**

#### **Aquatic life toxicity**

Not expected to be toxic after dilution.

## **Section 13 DISPOSAL CONDITIONS**

### **PRODUCT**

#### **Prohibition**

Do not discharge into the environment.

#### **Disposal**

Do not discharge into biological sewer treatment systems without prior approval. Specific concerns are high BOD load and foaming tendency. Low dosage flow rate or antifoaming agents acceptable to the treatment plant may be helpful. Do not flush into waterways. Disposal should be made in accordance with Federal, state and local regulations.

### **PACKAGING**

#### **Prohibition**

Do not discharge into the environment.

#### **Cleaning**

Rinse with plenty of water.

#### **Disposal**

Incineration or an agreed method for package recycling.

## **Section 14 TRANSPORT INFORMATION**

### **INTERNATIONAL REGULATIONS**

**Road - RID/ADR**

Non Hazardous

**Sea - OMI/IMDG**

Non Hazardous

**Air - ICAO/IATA**

Non Hazardous

## **Section 15 REGULATORY INFORMATION**

### **LABELLING**

**CE Regulations**

Not Classified

**Hazard Symbols**

Not Applicable

**S Phrases**

S20/21: When Using, do not eat, drink or smoke.

## **Section 16 OTHER INFORMATION**

### **Rules Of Drafting**

This Material Safety Data Sheet complies with ISO 11014-1 it is redacted in accordance to European directive 2001/58/EC.