



Company:	M P S M & Bull Partnership - HR2 6JF
Substance(s) being Assessed:	Foam Extinguisher 3FFF
Where is substance used?:	Warehouse/Vehicles/Customer Sites
COSHH Reference Number:	Foam
Safety Data Sheet Ref. No.:	3AFF_Foam_Datasheet
Emergency Contact Number:	01432 373161
Date of Assessment:	03/11/2011

## Foam Extinguisher 3FFF

### What is the substance used for?

Fire fighting equipment to be used Class A (Wood, Paper & Plastic) and Class B (Flammable & Combustible Liquids) Fires. Limited use on Class F fires (Cooking Oils & Fats).

### CHEMICAL PRODUCT/COMPANY IDENTIFICATION

#### Material Identification

Trade Name: GENEX 6E

Company: Bull Products

### COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterisation: Aqueous solution for surfactants

Hazardous components: 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

## Substance Hazards:



### 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

### PHYSICAL AND CHEMICAL PROPERTIES

Physical Data: Physical form - Liquid

Colour/Odour - Yellow, synthetic smell

PH - 8.0 +/-1.0

Freezing point - - 5 degrees celcius

Boiling point - +100 degrees celcius

Flammability/oxidising/explosive properties - None

Specific gravity at 20 degrees celcius - 1010 +/-20 kg/m<sup>2</sup>

Solubility - Completely soluble in water

### STABILITY AND REACTIVITY

Thermal decomposition - Stable under normal conditions of use and storage

Hazardous reactions - None expected in standard use

### TOXICOLOGICAL INFORMATION

Acute toxicity - None to be expected

Local effects on the eye and skin - Irritating to the eyes and skin (pure). Not irritant at the recommended concentration of use.

### ECOLOGICAL DATA

Environmental Behaviour: Biodegradation data (6% volume)

COD = 10200 mg O<sub>2</sub>/l [test CE C5]

BOD 12 = 9121 mg O<sub>2</sub>/l [test CE C6]

= 89% after 5 days : GENEX 6E is readily biodegradable

Biodegradation rate - Foaming agent if discharged in water

Bio accumulative - PerFluorinated Organic Compounds persist in environment

ECOTOXICITY - PFCs are suspected to bio accumulate in living beings

Aquatic life toxicity - Not expected to be toxic after dilution

**Workplace Exposure Limit:**

n/a

**Routes of Exposure:**



Exposure Guidelines: Hygienic Measures - DO NOT eat, drink or smoke while handling the product. Clean hands after working.

**Who might be harmed?**

All Staff

**Control Measures:**



## First aid and Fire:



### 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.

### FIRE FIGHTING MEASURES

Extinguishing Media - Not applicable. Fire fighting foam concentrate.

Protective equipment for fire fighters - Standard equipment against fires.

## Storage, Disposal & Spillage:



### 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

Collecting - Pump into clearly identified unbreakable containers

Cleaning - Wash thoroughly with water

Disposal - Incineration according to local regulations

### HANDLING AND STORAGE

Technical measures - Storage area should contain accidental spill bund

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

### DISPOSAL CONSIDERATIONS

Product: Prohibition - Do not discharge in the environment

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 access.

Big quantities should be treated as chemical waste according to local regulations.

Packaging: Prohibition - Do not discharge in the environment

Cleaning - Rinse with plenty of water

Disposal - Incineration or an agreed method for packing recycling

### TRANSPORT INFORMATION

International Regulations

Road - RID/ADIR - Non Hazardous

Sea - OMI/IMDG - Non Hazardous

Air - ICAO/IATA - Non Hazardous

### REGULATORY INFORMATION

Labelling

CE Regulations - Not Classified

Hazard symbols - Not applicable

S phrases - S20/21: When using do not eat, drink or smoke

**Personal Protective Equipment:**



PERSONAL PROTECTION

Hand Protection - Impermeable gloves (PVC) if continual handling

Eye protection - Goggles

Body Protection - Working Clothes

The calculated risk factor for this task/operation is **3** (Probability: 1 x Severity: 3)

This is classed as a **LOW** risk

**Additional Measures:**

None Required


**Operating Procedures:**

OTHER INFORMATION

This is taken from the suppliers Material Safety Data Sheet which complies with ISO 11014-1. It is redacted in accordance to European Directive 2001/58/EC

**Review Date:** 03/11/2012

**Name of Assessor:** Ann-Marie Bishop

**Position:** HR, Quality, H & S Manager      **Signature/s:**  .....

**Date:** 11/11/2011 .....