



Company:	M P S M & Bull Partnership - HR2 6JF
Substance(s) being Assessed:	Foam Extinguisher 3%
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 3%

What is the substance used for?

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

CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Material Identification

Product: FireFil-premix 3% Fire Fighting Foam Concentrate

Synonyms: Aqueous Film Forming Foam (AFFF)

CSS No: Mixture - No single CAS # applicable

Company: Bull Products

COMPOSITION/INFORMATION ON INGREDIENTS

Water, Synthetic Detergents Proprietary Mixture, no single CAS number applicable (2-Methoxymethylethoxy)

Propanol

Fluoroalkyl Surfactant Confidential

Substance Hazards:



HAZARDS IDENTIFICATION

Potential Health Effects:

Inhalation - Vapours are minimal at room temperature. If product is heated or sprayed as an aerosol, airborne material may cause respiratory irritation.

Skin Contact - Contact with liquid may cause moderate irritation or dermatitis due to removal of oils from the skin.

Eye Contact - Product is an eye irritant.

Ingestion - Not a hazard in normal industrial use. Small amounts swallowed during normal handling operations are unlikely to cause injury; swallowing large amounts may cause injury or irritation.

Additional Health Effects: Existing eye or skin sensitivity may be aggravated by exposure.

Carcinogenicity Information: No data available.

PHYSICAL AND CHEMICAL PROPERTIES

Physical Data:

Boiling Point: Not Applicable

Vapor Pressure - Not Applicable

Vapor Density - Not Applicable

Melting Point: Not Applicable

Evaporation Rate: <1 (Butyl acetate = 1.0)

Solubility in Water: 100%

pH: 8.0

Specific Gravity: 1.02 @ 25 degrees celcius

Odor: Mild pleasant

Form: Liquid

Colour: Straw Yellow

STABILITY AND REACTIVITY

Chemical Stability - Stable

Incompatibility, Materials to Avoid - Avoid use of product on burning metals, electricity-energised equipment and contact with water reactive materials.

Polymerization - Will not occur.

TOXICOLOGICAL INFORMATION

Mammalian Toxicity

Ingestion - Animal testing indicates that this material was not toxic when administered.
Eye - Animal testing indicates this material is a primary eye irritant when tested undiluted.
Skin - Animal testing indicates this material is not a primary skin irritant when tested undiluted.
Inhalation - No data available at this time.
Carcinogenic, Development, Reproductive, Mutagenic Effects
No data available on this material.

ECOLOGICAL INFORMATION

Ecotoxicological Information Aquatic Toxicity

96 hr Flow Through LC50 for Fathead Minnows (*primephales promelas*) is reported to be greater than 1000 ppm.

Workplace Exposure Limit:

See Exposure Controls

Routes of Exposure:



Exposure Guidelines: Exposure Limits - (2-Methoxymethylethoxy) Propanol (34590-94-8)

PEL (OSHA)

100 ppm, 8 hr. TWA Skin

150 ppm, 15 min. STEL Skin

Other Hygienic Practices - Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Promptly remove soiled clothing and wash thoroughly before re-use.

Who might be harmed?

All Staff

Control Measures:



First aid and Fire:



FIRST AID MEASURES

Inhalation - No specific treatment is necessary since this material is not likely to be hazardous by inhalation. If exposed to excessive levels of airborne aerosol mists, remove to fresh air. See medical attention if effects occur.

Skin Contact - In case of skin contact, wash off in flowing water or shower. Launder clothing before reuse.

Eye Contact - In case of eye contact, flush eyes promptly with water for 15 minutes. Retract eyelids often to ensure thorough rinsing. Consult a physician if irritation persists.

Ingestion - Swallowing less than an ounce is not expected to cause significant harm. For larger amounts, do not induce vomiting. Give milk or water. Never give anything by mouth to an unconscious person. Seek medical attention.

FIRE FIGHTING MEASURES

Flammable Properties

Flash Point - Not applicable

Fire and Explosion Hazards - Avoid contact with water reactive materials, burning metals and electricity energized equipment.

Extinguishing Media - Product is an extinguishing media. Use media appropriate for surrounding materials.

Special Fire Fighting Instructions - This product will produce foam when mixed with water.

Storage, Disposal & Spillage:



ACCIDENTAL RELEASE MEASURES

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (Personnel) Sections before proceeding with clean-up. Use appropriate Personal Protection Equipment during clean-up.

Accidental Release Measures:

Concentrate - Stop flow if possible. Use appropriate protective equipment during clean up. For small volume releases, collect spilled concentrate with absorbent material; place in approved container. For large volume releases, contain and collect for use where possible. Flush area with water until it no longer foams. Exercise caution, surfaces may be slippery. Prevent discharge of concentrate to waterways. Disposal should be made in accordance with Regulations.

Foam/Foam Solution - See above. Flush with water. Prevent discharge of foam/foam solution to waterways. Do not discharge into biological sewer treatment systems without prior approval.

Disposal should be made in accordance with Regulations.

HANDLING AND STORAGE

Handling (Personnel) - Avoid contact with the eyes, skin or clothing. Avoid ingestion or inhalation. Rinse skin and eyes thoroughly in case of contact. Review HAZARDS and FIRST AID sections.

Storage - Recommended storage environment is between 2 and 49 degrees celcius. Store product in original shipping container or tanks designed for product storage.

DISPOSAL CONSIDERATIONS

FireFilm-premix 3%, as sold, is not a RCRA-listed waste or hazardous waste as characterised by 40 CFR 261. However, state and local requirements for waste disposal may be more restrictive or otherwise different from the Regulations. Therefore, applicable local and state regulatory agencies should be contacted regarding disposal of waste foam concentrate or foam/foam solution.

Conentrate - 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 anti-foaming agents acceptable to the treatment plant may be helpfu. do not flush to waterways.

Disposal should be made in accordance with Regualtions.

Foam/Foam Solution - FireFilm-premix 3% foam solution can be treated by waste water treatment facilities. Discharge into biological sewer treatment facilities may be done with prior approval.

Specific concerns are high BOD load. Dilution will reduce BOD and COD factors proportionately.

Low dosage flow rate or anti-foaming agents acceptable to the treatment plant may be helpful.

Do not flush to waterways. Disposal should be made in accordance with Regulations.

NOTE: As a service to our customers, BULL PRODUCTS LTD has recycling facilities in place for

the disposal of all extinguishers. If required please contact us on 01432 371170 to request that arrangements be made.

TRANSPORT INFORMATION

Shipping Information

Hazard Class: None

OTHER REGULATORY INFORMATION

None.

Personal Protective Equipment:

No personal protective equipment icons entered

PERSONAL PROTECTION

Engineering controls - Special ventilation is not required.

Personal Protective Equipment

Respiratory - Recommended exposure limits have not been determined for this material. The need for respiratory protection should be evaluated by a qualified health specialist.

Protective Clothing - Rubber or PVC gloves recommended.

Eye Protection - Safety glasses, face shield or chemical splash goggles must be worn when possibility exists for eye contact. Contact lenses should not be worn. Eye wash facilities are recommended.

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

NFPA Rating

Health 0

Flammability 0

Reactivity 0

Review Date: 03/11/2012

Name of Assessor: Ann-Marie Bishop

Position: HR, Quality, H & S Manager

Signature/s: 

Date: 11/11/2011

