

X/F6S & X/F9S Foam Fire Extinguisher MSDS



Data Sheet



Fire Safety



Call Systems



Access & Security



DDA Compliance

MATERIAL SAFETY DATASHEET
For FireFilm-premix 3%
AQUEOUS FILM FORMING FOAM (AFFF) Liquid Concentrate

Section 1. CHEMICAL PRODUCT/COMPANY IDENTIFICATION**Material Identification**

Product: **FireFilm-premix 3%** Fire Fighting Foam Concentrate

Synonyms: Aqueous Film Forming Foam (AFFF)

CAS No: Mixture - No single CAS # applicable

Company Identification**Manufacturer:**

Shanghai Waysmos Fire Suppression Co., Ltd.

388 LiangLe Rd. ,LaoGang Industrial Park , Pudong New Area, Shanghai 201302, P.R.C.

Tel: +86-21- 36307198 Fax: +86-21- 36307199

www.AFFF.com.cn

Email : KFF@AFFF.com.cn

Section 2. COMPOSITION /INFORMATION ON INGREDIENTS

Water, 7732-18-5

Synthetic Detergents Proprietary Mixture, no single CAS Number applicable

Butyl Carbitol 112-34-5

Fluoroalkyl Surfactant Confidential

Section 3. HAZARDS IDENTIFICATION**Potential Health Effects****Inhalation**

Vapors 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 not likely 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.

Section 4. 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. Seek 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.

Section 5. FIRE FIGHTING MEASURES

Flammable Properties

Flash Point – Not applicable

Fire and Explosion Hazards

Avoid contact with water reactive materials, burning metals and electrically 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.

Section 6. ACCIDENTAL RELEASE MEASURES

Safeguards (Personnel)

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (Personnel) sections before proceeding with clean-up. Use appropriate Personal Protective 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 federal, state and local 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 federal, state and local regulations.

Section 7. HANDLING AND STORAGE

Handling (Personnel)

Avoid contact with 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°C) and 49°C. Store product in original shipping container or tanks designed for product storage.

Section 8. EXPOSURE CONTROLS/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.

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.

Section 9. 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: 1.03 @ 25°C

Odor: Mild, pleasant

Form: Liquid

Color: Straw yellow

Section 10. STABILITY AND REACTIVITY

Chemical Stability

Stable.

Incompatibility, Materials to Avoid

Avoid use of product on burning metals, electrically-energized equipment and contact with water reactive materials.

Polymerization

Will not occur.

Section 11. TOXICOLOGICAL INFORMATION

Mammalian Toxicity

Ingestion

This material was not toxic when administered to Wistar Albino rats at an acute oral dose of 5g/kg body weight.

Eye

Animal testing indicates this material is a primary eye irritant when tested undiluted on New Zealand Albino Rabbits.

Skin

Animal testing indicates this material is not a primary skin irritant when tested undiluted on New Zealand Albino Rabbits.

Inhalation

No data available at this time.

Carcinogenic, Developmental, Reproductive, Mutagenic Effects

No data available on this material.

Section 12. ECOLOGICAL INFORMATION

Ecotoxicological Information Aquatic Toxicity

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

Section 13. DISPOSAL CONSIDERATIONS

FireFilm-premix 3%, as sold, is not a RCRA-listed waste or hazardous waste as characterized by 40 CFR 261. However, State and local requirements for waste disposal may be more restrictive or

otherwise different from Federal regulations. Therefore, applicable local and state regulatory agencies should be contacted regarding disposal of waste foam concentrate or foam/foam solution.

Concentrate

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 to waterways. Disposal should be made in accordance with federal, state and local regulations.

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 antifoaming agents acceptable to the treatment plant may be helpful. Do not flush to waterways. Disposal should be made in accordance with federal, state and local regulations.

NOTE: As a service to our customers, Waysmos Fire Suppression can also provide information on the disposal of drums and liquid. Please contact Waysmos Fire Suppression at 021-36307198 for additional information.

Section 14. TRANSPORTATION INFORMATION

Shipping Information

Hazard Class: None

Section 15. REGULATORY INFORMATION

OTHER REGULATORY INFORMATION

None.

Section 16. OTHER INFORMATION

NFPA Rating

Health 0

Flammability 0

Reactivity 0

For further information, see Waysmos Fire Suppression Product Data Sheet for FireFilm-premix 3%.

The information contained herein is furnished without warranty either expressed or implied. This data sheet is not a part of any contract of sale. The information contained herein is believed to be correct or is obtained from sources believed to be generally reliable. However, it is the responsibility of the user of these materials to investigate, understand and comply with federal, state and local guidelines and procedures for safe handling and use of these materials. Waysmos Fire Suppression shall not be liable for any loss or damage arising directly or indirectly from the use of this product and Waysmos Fire Suppression assumes no obligation or liabilities for reliance on the information contained herein or omissions herefrom.

March 10, 2016

Visit our website
www.fixfire.co.uk



Head Office
Mayflower House
Bodmin Road
Wyken
Coventry CV2 5DB

East Midlands & North East
(Regional Office)
Systems House
Old Station Close
Shepshed LE12 9NJ



your best alliance for compliance™



Visit our website

www.fixfire.co.uk



[linkedin.com/company/fixfire](https://www.linkedin.com/company/fixfire)



Main Switchboard: 024 7661 6699 • Freephone: 08000 891999 • Fax: 024 7662 1990

E-mail: compliance@fixfire.co.uk • Website: www.fixfire.co.uk

Fixfire® is a trade mark of Avansys LLP registered in UK No OC384483

© Avansys LLP 2019