



# Material Safety Data Sheet

AFFF FOAM EXTINGUISHER  
MSDS No.: AJT151030174E

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product identifiers

**Product Name:** AFFF FOAM EXTINGUISHER

### Relevant identified uses of the substance or mixture and uses advised against

**Identified uses:** Fire extinguisher

### Details of the supplier of the safety data sheet

**Company Name:** CheckFire Ltd

**Address:** Pontywindy Ind Est, Caerphilly CF83 3HU

**Tel:** 029 2086 8333

**Fax:** 029 2085 0627

**Email:** info@checkfire.co.uk

**Emergency Telephone:** 029 2086 8333

## 2. HAZARDS IDENTIFICATION

### Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The product is not classified according to the CLP regulation.

Classification system: The classification is based on own toxicological test results.

### Label elements

Labeling according to Regulation (EC) No 1272/2008 Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

Additional information:

Safety data sheet available on request.

### Other hazards

### Results of PBT and vPvB assessment

**PBT:** Not applicable

**vPvB:** Not applicable

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance/Preparation:** Preparation

(INGREDIENTS BASED IN EXTINGUISHER)

INGREDIENTS NAME	CONTENT/%	CAS NO.	EC NO.	Classification	Classification
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				(67/548/EEC)	(1272/2008/EC)
Water	62-79	7732-18-5	231-791-2	-	-
2-(2-butoxyethoxy)ethanol	8-12	112-34-5	203-961-6	Xi; R36	H319
Ethane-1,2-diol	6-8	107-21-1	203-473-3	Xn; R22	H302
Proprietary Mixture of Synthetic Detergents	6-11	-	-	-	-
Fluoroalkyl Surfactant	0.5-2.0	confidential	-	-	-

#### Note:

- 1: Fire extinguishers contain compressed air to ensure a high velocity discharge of product.
- 2: This MSDS is prepared mainly according to chemical mixture (3% filling) inside the extinguisher.
- 3: See Section 8 of MSDS for exposure limit data for these ingredients. Full text of risk phrases & H-Statements appearing in section 3: see section 16.
- 4: This MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of the product.

## 4. FIRST AID MEASURES

### Description of first aid measures

**General information:** If symptoms persist or in case of doubt, seek medical advice.

**After inhalation:** Supply fresh air; consult a doctor in case of pain.

#### After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

#### After eye contact:

Rinse opened eye for several minutes under running water.

If symptoms persist, consult a doctor.

#### After swallowing:

Rinse mouth with water.

Spit liquid out again.

Do not induce vomiting.

Seek medical treatment.

#### Most important symptoms and effects, both acute and delayed

No further relevant information available.

#### Indication of any immediate medical attention and special treatment needed

Symptomatic treatment

## 5. FIRE FIGHTING MEASURES

**Extinguishing media**

**Suitable extinguishing agents:**

The product is not combustible and does not support any combustion.

Use fire fighting measures suiting the environment.

**For safety reasons unsuitable extinguishing agents:** None

**Special hazards arising from the substance or mixture**

In case of fire, the following can be released:

Carbon monoxide (CO)

Carbon dioxide (CO<sub>2</sub>)

Poisonous gases/vapours

**Advice for firefighters**

**Protective equipment:**

Wear self-contained respiratory protective device.

Wear a fully protective suit.

**Additional information:** Collect contaminated fire fighting water separately. It must not enter the sewage system.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

Wear protective clothing.

Particular danger of slipping on leaked/spilled product.

**Environmental precautions:**

The following information refers to the leakage of large quantities:

Do not allow product to reach sewage system or any water course.

Dilute with plenty of water.

Avoid foaming by further diluting with water.

Do not allow to penetrate the ground/soil.

**Methods and material for containment and cleaning up:**

Ensure adequate ventilation.

Small quantities:

Dilute with plenty of water.

Dam up larger quantities and pump into containers.

Dispose of the material collected according to regulations.

**Reference to other sections**

See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### 7. HANDLING AND STORAGE

#### Precautions for safe handling

Avoid contact with eyes and skin.

Avoid contact with clothing.

Avoid ingestion and inhalation.

Wash hands after use.

Do not use over burning metal or on live electrical equipment!

Information about protection against explosions and fires: Observe the general rules of industrial fire protection.

#### Conditions for safe storage, including any incompatibilities

##### Storage:

Requirements to be met by storerooms and receptacles: Store only in the original receptacle.

Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from feed.

##### Further information about storage conditions:

Keep receptacle tightly sealed.

Protect from contamination.

**Recommended storage temperature:** -15 °C - +50 °C

### 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

#### Exposure limits values:

Component	Exposure Limits
2-(2-butoxyethoxy)ethanol	none listed
Ethane-1,2-diol	ACGIH:100 mg/m <sup>3</sup> Ceiling (aerosol only)

#### Personal protective equipment:

##### General protective and hygienic measures:

The usual precautionary measures should be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Do not eat, drink, smoke or sniff while working.

Remove all soiled and contaminated clothing immediately.

Avoid contact with eyes and skin.

After skin contact, cleanse skin thoroughly.

After contact with eyes, rinse immediately.

### **Breathing equipment:**

Not necessary if room is well-ventilated

In case of unintentional release of substance, exceeding the occupational exposure limit value.

In case of brief exposure or low pollution use a respiratory filter device. In case of intensive or longer exposure use a respiratory protective device that is independent of circulating air.

Short term filter device (EN 149): Filter A-P2

Breathing equipment is only to be used in order to handle the residual risk of short term jobs if all other risk minimizing measures have been carried out e.g. retention and/or local exhaust.

### **Protection of hands:**

Chemical resistant gloves (EN 374)

The glove material has to be impermeable and resistant to the product/substance/preparation.

Due to missing tests no recommendation to the glove material can be given for the product / preparation / chemical mixture.

Selection of the glove material in consideration of the penetration times, rates of diffusion and the degradation.

### **Material of gloves:**

The selection of suitable gloves depends upon the material, and also upon the quality of the gloves. The degree of protection will vary from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

### **Penetration time of glove material:**

The exact penetration time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:** During spray applications tightly sealed goggles

**Body protection:** Protective work clothing

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Liquid
<b>Color:</b>	Straw yellow
<b>Odor:</b>	Mild, pleasant
<b>Vapour Pressure:</b>	Not available
<b>PH:</b>	8.0
<b>Density (Water= 1):</b>	1.04
<b>Ignition temperature:</b>	Not available
<b>Explosion limits:</b>	Lower: Not available Upper: Not available
<b>Boiling Point:</b>	Not available
<b>Freezing point:</b>	-8°C
<b>Flash Point:</b>	>93°C

<b>Melting point:</b>	Not available
<b>Solubility in Water:</b>	100%
<b>Viscosity:</b>	Not available
<b>Evaporation Rate:</b>	<1 (Butyl Acetate = 1.0)

### 10. STABILITY AND REACTIVITY

#### Reactivity

##### Chemical stability

Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications

No decomposition if used according to specifications

**Possibility of hazardous reactions** No dangerous reactions known

**Conditions to avoid** Temperatures: < -15 °C, > +50 °C

##### Incompatible materials:

Strong oxidants

Water reactive substances

##### Hazardous decomposition products:

No hazardous decomposition products if instructions for storage and handling are followed

### 11. TOXICOLOGICAL INFORMATION

#### Information on toxicological effects

Acute toxicity:

LD/LC<sub>50</sub> values that is relevant for classification:

Oral LD<sub>50</sub> > 2000 mg/kg (rat) (OECD 420; EU-Method B1)

Primary irritant effect:

On the skin: No irritating effect      species: rabbit      OECD test 404

On the eye: No irritating effect      species: rabbit (eye)      OECD test 405

On respiratory tract: No irritating effect

Sensitization: No sensitizing effects known

Other information (about experimental toxicology):

Carcinogenic, mutagenic effects and adverse effects on reproduction:

Presently available data show no carcinogenic, mutagenic or teratogenic effects.

Subacute to chronic toxicity:

STOT-single exposure No classification

STOT-repeated exposure: No classification

Aspiration hazard No classification

## 12. ECOLOGICAL INFORMATION

### Toxicity

#### Aquatic toxicity:

EC<sub>50</sub> 3.5 mg/l (algae) (OECD 201)

EC<sub>50</sub>/48h 876 mg/l (Daphnia sp.) (OECD 202)

LC<sub>50</sub>/96h 25.0 mg/l (fish) (OECD 203)

#### Persistence and degradability

Readily biodegradable

Other information: Biological degradation: 91% after 28 days (DIN 38412 - L 3)

#### Bioaccumulative potential

No further relevant information available

#### Mobility in soil

No further relevant information available

#### Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

#### Other adverse effects

No further relevant information available

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Must be recycled or disposed of according to the regulations. Waste has to be classified according to the European Waste Catalogue based on the identification of the waste generating source.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agent: Water; if necessary, with cleansing agents

## 14. TRANSPORT INFORMATION

The preparation is classified as dangerous goods.

**Proper shipping name:** FIRE EXTINGUISHERS with compressed or liquefied gas

**Hazard class:** 2.2



**UN number:** 1044  
**Packing group:** II

## 15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

No data available

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

### US REGULATIONS (Federal, State) and INTERNATIONAL CHEMICAL REGISTRATION LAWS

#### US regulation:

One or more ingredients are on the TSCA inventory.

No components are reportable under SARA Title III, sec. 313.

No components are priority pollutants listed under the U.S. Clean Water Act Section 307 (2) (1) Priority Pollutant List (40 CFR 401.15).

No components are reportable under CERCLA.

## 16. OTHER INFORMATION

#### Full text of R-phrases referred to under sections 2 and 3.

R22: Harmful if swallowed.

R36: Irritating to eyes.

#### Full text of H-Statements referred to under sections 2 and 3.

H319: Causes serious eye irritation.

H302: Harmful if swallowed.

#### Issue Date: 2015-10-30

This information and these recommendations are offered in good faith and believed to be correct as of the date hereof. Information and recommendations are supplied upon the condition that the recipients will make their own decision as to safety and suitability for their purposes. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose, or of any other nature, are made with respect to the product or the information and recommendations. We make no representation as to completeness or accuracy. In no event we shall be responsible for damages of any nature whatsoever resulting from the use or reliance upon the information and recommendations.

\* \* \* END OF MSDS \* \* \*