

Technical Manual

Material Safety Data Sheet Envirofoam

When it comes to Fire Safety, some products have the Edge...



COMMANDER *EDGE*

THE SPECIALIST'S CHOICE

With one of the widest ranges available on the market today, CommanderEDGE is firmly established as the market leader.

Time has proved these portable fire extinguishers as a dependable choice for almost any situation, and reliable performance is guaranteed.

The range is fully Kitemarked by BSI across the range, and is the choice of the professional with its reassuring mixture of performance, quality and value.

A full and unparalleled portfolio of supporting literature and technical backup is available, including:

- High quality images - available as low resolution for web marketing, or high resolution for print
- Unbranded brochures and sales support leaflets - ideal to send with your quotes
- Branded brochures can be designed - for the ultimate professional image (charges may apply)
- Technical manual - service/maintenance procedures and refilling instructions
- COSHH Datasheets
- Our team - we are happy to speak to you or your customers with any technical queries - our industry knowledge is unsurpassed

Safety Data Sheet - Envirofoam

1. Identification of product/substance and company

Product Identifier	AFF Foam
Trade Name	
Chemical Description	
Chemical Formula	
Registration No.	
Use	Fire extinguishing agent
Company Identification	CheckFire, Pontygwindy Ind Est, Caerphilly CF83 3HU
Emergency Telephone	029 2086 8333

2. Hazards Identification

For Humans

Product:

EU Classification Xi - Irritant

R-Phrases 36 Irritating to eyes

S-Phrases 26 In case of contact with eyes, rinse immediately with water and seek medical advice.

3. Composition & Information on Ingredients

EC No.	Chemical name	Quantity
CAS No.	Classification	
Index No.	GHS classification	
REACH No.		
203-961-6	2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether	20 - 25 %
112-34-5	Xi R36	
603-096-00-8	Eye Irrit. 2; H319	
205-535-5	Sodium Octyl Sulfate	6 - 15 %
142-31-4	Xi R36/37/38	
	Eye Irrit. 2, STOT SE 3, Skin Irrit. 2; H319 H335 H315	
02-2119664391-38		
500-485-3	Alcohols, C6-12, ethoxylated, sulfate, sodium salt	5 - 10 %
161025-28-1	Xi R38-41	
	Skin Irrit. 2, Eye Dam. 1; H315 H318	
02-2119666166-33		
252-046-8	1-Propanaminium,N-(carboxymethyl)-N,N-dimethyl-3- 1 - 5 % [[[(3,3,4,4,5,6,7,7,8,8,8-tridecafluorooctyl)sulfonol]amino],-inner salt	1 - 5 %
4455-29-3	R52-53	
	Aquatic Chronic 3; H412	
500-631-6	Amphoteric Fluorinated Polymer	1 - 5 %
161278-39-3	R52-53	
	Aquatic Chronic 3; H412	
02-2119666177-30		
200-659-6	methanol	< 1 %
67-56-1	F, T R11-23/24/25-39/23/24/25	
603-001-00-X	Flam. Liq. 2, Acute Tox.3, Acute Tox.3, Acute Tox.3, STOT SE 1; H225 H331 H311 H301 H370	

Full text of R- and H-phrases: see section 16.

4. First Aid Measures

Contact with Skin	Wash off the skin using soap and plenty of warm water.
Contact With Eyes	Rinse immediately with plenty of water and seek medical advice.
Inhalation	In case of shortness of breath give oxygen. Keep under medical supervision for at least 48 hours. No artificial respiration, mouth to mouth or nose to nose. Use suitable instruments/apparatus.
Ingestion	Rinse from the mouth with water and give affected person plenty of water to drink. Do not induce vomiting. Seek medical advice.

5. Fire Fighting Measures

The product is a fire extinguishing agent . No special precautions are required.

Possibility of generating hazardous reactions during a fire due to the presence of F and CN groups

6. Accidental Release Measures

Absorb onto earth, ash, sawdust or other absorbent material. Scoop the absorbed substance into sealable containers. Clean area with plenty of water.

7. Handling & Storage

Handling	General good housekeeping procedures.
Storage	Keep the product in a cool, dry and shaded place in original sealed containers or an approved system. Storage temperature range: -13°C - +50°C

8. Personal Protection & Exposure Controls

Personal Protection

Eye Protection	Wear suitable goggles
Respiratory Protection	Not required
Skin/General Protection	Wear overalls or splash-proof clothing and gloves suited to the task

Exposure Standards (UK)

Occupational exposure limits

Neither this preparation nor the substances contained in it have been listed as carcinogenic by National Toxicology Program I.A.R.C. or OSHA.

9. Physical & Chemical Properties

Appearance	Clear coloured liquid
Odour	Mild, pleasant synthetic smell
Freezing Point	-18°C
Boiling Point	95°C
Flash Point	Non-flammable
Autoignition	Non-flammable
pH	7.5 - 8.5
Explosive Properties	None
Solubility in Water	Readily soluble in water
Density at 20°C (kg/m ³)	1035 g/cm ³
Oxidising Properties	Not an oxidiser
Vapour Pressure	Not applicable

10. Stability & Reactivity

Stability	Stable
Hazardous decomposition products	Normally stable. No decomposition if stored and applied as directed

11. Toxicological Information

Test Data

CAS No.	Chemical name	Exposure routes	Method	Dose	Species	h
112-34-5	2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether					
	Acute oral toxicity		LD50	5660 mg/kg	Ratte	
	Acute dermal toxicity		LD50	4120 mg/kg	Kaninchen	
67-56-1	methanol					
	Acute oral toxicity		ATE	100 mg/kg		
	Acute dermal toxicity		ATE	300 mg/kg		

Acute toxicity	None expected
Local effects on eye and skin	Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin

12. Ecological Information

Ecotoxicity	Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants
-------------	---

CAS No.	Chemical name	Aquatic toxicity	Method	Dose	Species	h
112-34-5	2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether					
	Acute algae toxicity		ErC50	> 100 mg/l	Scenedesmus sp.	
	Acute crustacea toxicity		EC50	> 100 mg/l	Daphnia magna	48

Global warming potential	None
--------------------------	------

13. Disposal Considerations

If recycling is not practicable, dispose of

14. Transport Information

Substance ID No.	None
Correct Shipping Name	Not applicable
Land Transport	Not classified
Marine Transport	Not classified
Air Transport	Not classified

15. Regulatory Information

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

EU regulatory information 1999/13/EC (VOC):	31.945 % (330.631 g/l)
--	------------------------

Additional information	Classification according to European directive on classification of hazardous preparations 1999/45/EC. Safety data sheet available for professional user on request.
------------------------	--

16. Other Information

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

11	Highly flammable.
23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
36	Irritating to eyes.
36/37/38	Irritating to eyes, respiratory system and skin.
38	Irritating to skin.
39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
41	Risk of serious damage to eyes.
52	Harmful to aquatic organisms.
53	May cause long-term adverse effects in the aquatic environment.

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

H225	Highly flammable liquid and vapour.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H370	Causes damage to organs.
H412	Harmful to aquatic life with long lasting effects.

Further Information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.



COMMANDEREDGE

CheckFire
GROUP

Sir Alfred Owen Way, Pontygwindy Industrial Estate, Caerphilly, South Wales CF83 3HU
Tel 029 2086 8333 Fax 029 2085 0627 Email sales@checkfire.co.uk Web www.checkfire.co.uk