

## FIRECHIEF CTX AFFF FOAM EXTINGUISHERS - FOAM CONTENTS

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### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

<b>TRADE NAME</b> Recommended use	<b>AFFF</b> Fire fighting foam at the dilution used in fire extinguishers
<b>MANUFACTURER</b> Address	<b>Firechief Global</b> 3 Lands End Way OAKHAM Rutland LE15 6RB
Email	sales@firechiefglobal.com
Emergency tel	+44 (0)330 999 0019 (office hours 08:00 - 17:00)

### SECTION 2. HAZARDS IDENTIFICATION

<b>CLASSIFICATION / REGULATION</b>	EC 1272/2008 (CLP/GHS)
Physical Hazards	/
Health Hazards	/
Environment Hazards	/
<b>LABEL ELEMENTS</b>	
Symbols	/
Danger	/
Precaution	P264 Wash your hands thoroughly after handling P280: Wear safety clothes, gloves and goggles P305+P351+P338 IF ON EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing


### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Characteristics	Mixture: Aqueous solution of surfactants
Hazardous components	ButylDiGlycol Ether (ButylCarbitol).....[<1%] CAS # 112-34-5 - Eye Damage 2, H319, P305+P351+P338 Ethylene Glycol .....[<1%] CAS # 107-21-1- H302, H373, P305+P351+P338 Proprietary mixture of synthetic detergents .....[<1%] Fluoroalkyl Surfactant.....[150-600 ppm]

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### SECTION 4. FIRST AID MEASURES

Skin contact Eye contact Swallowing Inhalation	Wash off with water. Remove contaminated soaked clothing and rinse with water Flush eye with plenty of water for at least 10 minutes maintaining open eyelids Wash mouth with water. Seek medical advice If there are any signs of nausea or sickness, seek medical advice	
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### SECTION 5. FIRE FIGHTING MEASURES

Extinguishing media Specific risks	Firefighting foam concentrate: not flammable Aqueous solution: does not present specific risk in the case of fire
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### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions   Environmental protection <b>CLEANING MEASURES</b> <ul style="list-style-type: none"> <li>Collecting</li> <li>Cleaning</li> <li>Disposal</li> </ul>	Wear impervious clothes, gloves, goggles and safety shoes  Absorb onto sand or other absorbent material and shovel into container for disposal  Pump into clearly identified unbreakable containers Wash thoroughly with water Incineration according to local regulations
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### SECTION 7. HANDLING AND STORAGE

<b>HANDLING STORAGE</b> <ul style="list-style-type: none"> <li>Technical measures</li> <li>Storage conditions</li> <li>Storage recommendations</li> </ul> <b>PACKAGING MATERIALS</b> <ul style="list-style-type: none"> <li>Recommended</li> <li>Not advised</li> <li>Recommended sealing</li> </ul>	Require protective equipment (see section 8)  Storage area should contain accidental spill Sealed containers in normal cool warehouse Product in bulk: stainless steel, polyester or mild steel protected with epoxy or polyurethane coating. Tanks in PE, PP  Polyethylene, Polypropylene, stainless steel Mild steel, iron Viton, Kevlar, Teflon
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### SECTION 8. EXPOSURE CONTROL AND PERSONAL PROTECTION

<p><b>PERSONAL PROTECTIVE EQUIPMENT</b></p> <ul style="list-style-type: none"> <li>• Hand protection</li> <li>• Eye protection</li> <li>• Body protection</li> </ul> <p><b>HYGIENIC MEASURES</b></p>	<p>Impermeable gloves (PVC) if continual handling Goggles Working clothes, safety shoes</p> <p>Eye washing solution and washer eye cup DO NOT eat, drink or smoke while handling the product Clean hands after working with any chemical products</p>	
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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<ul style="list-style-type: none"> <li>• Physical form</li> <li>• Colour / Odour</li> <li>• pH at 20°C</li> <li>• Freezing point</li> <li>• Boiling point</li> <li>• Flammability / oxidising / explosive properties</li> <li>• Specific gravity at 20°C</li> <li>• Solubility</li> </ul>	<p>Liquid Brownish / Synthetic smell 7.0 +/- 1.0 -3°C +100°C None</p> <p>1000 +/- 20 kg/m3 Completely soluble in water</p>
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### SECTION 10. STABILITY AND REACTIVITY

<p>Thermal decomposition Hazardous reactions</p>	<p>Stable under normal conditions of use and storage None expected in standard use</p>
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### SECTION 11. TOXICOLOGICAL DATA

<p>Acute toxicity Local effects on the eye and skin</p>	<p>Not classified as toxic if swallowed Not irritating to eyes and skin</p>
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### SECTION 12. ECOLOGICAL DATA

<p><b>ENVIRONMENTAL BEHAVIOUR</b></p> <ul style="list-style-type: none"> <li>• Biodegradation data</li> <li>• Biodegradation rate</li> <li>• Persistency</li> <li>• Bio accumulative</li> <li>• PBT and vPvB assessment</li> </ul> <p><b>ECOTOXICITY</b></p> <ul style="list-style-type: none"> <li>• Toxicity data</li> <li>• Aquatic life toxicity</li> </ul>	<p>COD = N/A BOD5 = N/A Readily biodegradable PerFluoroCompounds – PFCs - are persistent in the environment The foam solution contains 143 ppm of C6 fluorosurfactant PFCs are suspected to bio accumulate in living beings Classification pending for POP</p> <p>Not available Not expected to be toxic after dilution</p>
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### SECTION 13.DISPOSAL CONDITIONS

<p><b>PRODUCT</b></p> <ul style="list-style-type: none"> <li>• Prohibition</li> <li>• Disposal</li> </ul> <p><b>PACKAGING</b></p> <ul style="list-style-type: none"> <li>• Prohibition</li> <li>• Cleaning</li> <li>• Disposal</li> </ul>	<p>Do not discharge in the environment</p> <p>Small amounts of product do not interfere with water treatment facilities</p> <p>If released in sewage system accidentally, it is recommended to control a slow flow rate in order to avoid any excess foaming</p> <p>Do not discharge in the environment</p> <p>Rinse with plenty of water</p> <p>Incineration or an agreed method for package recycling</p>
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### SECTION 14.TRANSPORT INFORMATION

<p>UN number</p> <p>UN proper shipping name</p> <p>Transport hazard class(es)</p> <p>Packing group</p> <p>Environmental hazards</p> <p>Special precautions for user</p> <p>Transport in bulk according to Annex</p>	<p>UN1044</p> <p>FIRE EXTINGUISHER with compressed or liquefied gas</p> <p>2.2</p> <p>Transport Category 3, Tunnel code E, Packaging Code 4G.</p> <p>Not classified.</p> <p>Not applicable</p> <p>Not applicable</p>
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### SECTION 15.REGULATORY INFORMATION

<p>Safety, human health and environmental regulations related to the product</p>	<p>Regulation EC 440/2008 on chemicals</p> <p>Directive 2008/98/EC on waste management</p> <p>Government Regulation 361/2007 for health protection at work</p> <p>Regulation EC 1907/2006 on REACH registration</p> <p>Regulation EC 1272/2008 on classification and labelling of chemicals</p>
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### SECTION 16.OTHER INFORMATION

<p>Rules of drafting</p> <p>Relevant Symbols</p> <p>Relevant H Statements</p> <p>Relevant P statements</p>	<p>This Safety Data Sheet complies with European Regulation EC 1272/2008 (CLP/GHS)</p> <p>/</p> <p>/</p> <p>P264. P280. P305+P351+P338</p>
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