



GENEX ESC



SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME Recommended use	GENEX ESC Additive for extinguishers
MANUFACTURER Address	3FFF LIMITED Unit B, 18 Brunel Road, Earlstree Industrial Estate, Corby, Northants, NN17 4JW, UNITED KINGDOM
Phone n°	+44(0)1536 202919 or EMERGENCY N°+44 (0)7801 850011
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E-mail	sales@3fff.co.uk

2. HAZARDS IDENTIFICATION

CLASSIFICATION / REGULATION Physical Hazards Health Hazards Environment Hazards	EC 1272/2008 (CLP/GHS) / Eye damage 1 - H318 Skin Irritation 2 – H315 / GHS05 DANGER H318 Causes serious eye damage H315 Causes skin irritation	
LABEL ELEMENTS 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 P302+P352 IF ON SKIN: Wash with plenty of soap and water P310 Immediately call a POISON CENTER or doctor P332+P313 If skin irritation occurs, get medical attention	

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Characteristics	Mixture: Aqueous solution of surfactants
Hazardous components	AlkylSulfate.....[20 – 25%] CAS # 85338-42-7 Skin Irritant 2; Eye Damage 1 H315. H318 P280. P302+P352. P305+P351+P338. P310. P332+P313 ButylDiGlycol Ether (ButylCarbitol).....[20 – 30%] CAS # 112-34-5 Eye Damage 2 H319 P305+P351+P338 AlkylBetain.....[1 – 5%] CAS # 61789-40-0 Eye Damage 2 H319 P264. P280 FluoroSurfactant.....[5 - 10%]

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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5. FIRE FIGHTING MEASURES

Extinguishing media	Firefighting foam concentrate: not flammable
Specific risks	Aqueous solution: does not present specific risk in the case of fire



6. ACCIDENTAL RELEASE MEASURES

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

7. HANDLING AND STORAGE

HANDLING	Require protective equipment (see section 8)
STORAGE	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
<ul style="list-style-type: none"> Technical measures Storage conditions Storage recommendations 	
PACKAGING MATERIALS	Polyethylene, Polypropylene, stainless steel
<ul style="list-style-type: none"> Recommended Not advised Recommended sealing 	Mild steel, iron Viton, Kevlar, Teflon

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT	Impermeable gloves (PVC) if continual handling Goggles Working clothes, safety shoes 
HYGIENIC MEASURES	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 

9. PHYSICAL AND CHEMICAL PROPERTIES

<ul style="list-style-type: none"> Physical form Colour / Odour pH at 20°C Freezing point Boiling point Flammability / oxidising / explosive properties Specific gravity at 20°C Solubility 	Liquid Brownish / Synthetic smell 8.0 +/- 1.0 -30°C +100°C None 1050 +/- 20 Kg/m ³ Completely soluble in water
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10. STABILITY AND REACTIVITY

Thermal decomposition	Stable under normal conditions of use and storage
Hazardous reactions	None expected in standard use



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11. TOXICOLOGICAL DATA

Acute toxicity Local effects on the eye and skin	Not classified as toxic if swallowed Eye Damage 1 May cause serious eye damage (pure) Skin Irritation 2 Causes skin irritation (pure) Not irritating to eyes and skin at recommended concentration of use of 1%
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12. ECOLOGICAL DATA

ENVIRONMENTAL BEHAVIOUR	
<ul style="list-style-type: none"> • Biodegradation data • Biodegradation rate • Persistency • Bio accumulative • PBT and vPvB assessment 	COD = 487 g O ₂ / l BOD ₅ = 247 g O ₂ / l 51% after 5 days; GENEX ESC is readily biodegradable PerFluoroCompounds – PFCs - are persistent in the environment PFCs are suspected to bio accumulate in living beings Classification pending for POP
ECOTOXICITY	
<ul style="list-style-type: none"> • Toxicity data • Aquatic life toxicity 	Not available Not expected to be toxic after dilution

13. DISPOSAL CONDITIONS

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

14. TRANSPORT INFORMATION

INTERNATIONAL REGULATIONS	
<ul style="list-style-type: none"> • Road - RID/ADR • Sea - OMI/MDG • Air - ICAO/IATA 	Non hazardous Non hazardous Non hazardous

15. REGULATORY INFORMATION

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

Rules of drafting Relevant Symbols Relevant H Statements Relevant P statements	This Safety Data Sheet complies with European Regulation EC 1272/2008 (CLP/GHS) GHS05 DANGER H315. H318 P264. P280. P305+P351+P338. P302+P352. P310. P332+P313
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