



FREEDOL SF



SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME Recommended use	FREEDOL SF Fire Fighting Foam Concentrate
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
Fax n°	+44(0)1536 263641
E-mail	sales@3fff.co.uk
DISTRIBUTOR Address	WORMALD 91 Derby Street, Silverwater NSW 2128– Australia
Phone n°	133 166
Website / Contact	www.wormald.com.au

2. HAZARDS IDENTIFICATION

CLASSIFICATION / REGULATION	EU 2020/878 (GHS)
Physical Hazards	/
Health Hazards	Eye damage 1 - H318
Environment Hazards	/
LABEL ELEMENTS	
Symbols	GHS05 DANGER
Danger	H318 Causes serious eye damage
Precaution	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 P310 Immediately call a POISON CENTER or doctor



3. COMPOSITION AND INFORMATION ON INGREDIENTS

Characteristics	Mixture: Aqueous solution of surfactants
Hazardous components	AlkylBetain.....[1 –5%] CAS # 61789-40-0 / REACH # 01-2119489410-39 Eye Damage 2 H319 P264. P280 AlkylPolyGlycoside.....[10 –15%] CAS # 68515-73-1 / REACH # 01-2119987144-31 Eye Damage 1 H318 P280. P305+P351+P338. P310. P337+P313

4. FIRST AID MEASURES

Skin contact	Wash off with water. Remove contaminated soaked clothing and rinse with water
Eye contact	Flush eye with plenty of water for at least 10 minutes maintaining open eyelids
Swallowing	Wash mouth with water. Seek medical advice
Inhalation	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	
<ul style="list-style-type: none"> Collecting Cleaning Disposal 	<p>Pump into clearly identified unbreakable containers</p> <p>Wash thoroughly with water</p> <p>Incineration according to local regulations</p>

7. HANDLING AND STORAGE

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

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT	Impermeable gloves (PVC) if continual handling Goggles Working clothes, safety shoes 
<ul style="list-style-type: none"> Hand protection Eye protection Body protection 	
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 





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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 Viscosity Solubility 	<p>Gel Green / Synthetic smell 7.0 +/- 1.0 -13°C +100°C None 1100 +/- 20 Kg/m³ Pseudoplastic Completely soluble in water</p>
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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

11. TOXICOLOGICAL DATA

Acute toxicity	Not classified as toxic if swallowed
Local effects on the eye and skin	Eye Damage 1 May cause serious eye damage (pure) Not irritating to eyes and skin at recommended concentration of use of 3%

12. ECOLOGICAL DATA

<p>ENVIRONMENTAL BEHAVIOUR</p> <ul style="list-style-type: none"> Biodegradation data Persistency Bio accumulative PBT and vPvB assessment <p>ECOTOXICITY</p> <ul style="list-style-type: none"> Aquatic life toxicity WGK Classification 	<p>BOD/COD after 28 Days > 80%; FREEDOL SF is readily biodegradable OECD 301c FREEDOL SF is free of persistent components FREEDOL SF is free of bio accumulative components Not classified PBT or vPvB</p> <p>LC₅₀ (fish egg) 96 hr : 100 mg/l OECD 236 EC₅₀ (Daphnia Magna) 48 hr : 242 mg/l OECD 202 E_rC₅₀ (Desmodemus Supspicatus) 48 hr : 35 mg/l OECD 201 WGK1 (pure); WGK1 (diluted at 3%)</p>
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13. DISPOSAL CONDITIONS

<p>PRODUCT</p> <ul style="list-style-type: none"> Prohibition Disposal <p>PACKAGING</p> <ul style="list-style-type: none"> Prohibition Cleaning Disposal 	<p>Do not discharge the foam concentrate in the environment. The foam solution is readily biodegradable and does not present a risk if discharged directly onto the ground.</p> <p>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</p> <p>Do not discharge in the environment Rinse with plenty of water Incineration or an agreed method for package recycling</p>
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14. TRANSPORT INFORMATION

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

15. REGULATORY INFORMATION

Safety, human health and environmental regulations related to the product	<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> <p>Regulation EU 2020/878 on classification and labelling of chemicals</p>
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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 EU 2020/878 (GHS)</p> <p>GHS05 DANGER</p> <p>H318</p> <p>P280. P305+P351+P338. P310</p>
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