

FIRECHIEF ECOSPRAY WATER ADDITIVE EXTINGUISHER (ESW3 & ESW6)

1. PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME Recommended use SUPPLIER Address Phone no Fax no E-mail	Firechief Ecospray Water Additive (Extinguisher content dilution) Additive for Extinguishers Firechief Global Firechief Global, 3 Lands End Way, Oakham, Rutland, United Kingdom, LE15 6RB +44 (0) 330 999 0019 sales@firechiefglobal.com
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2. HAZARDS IDENTIFICATION

CLASSIFICATION/REGULATION • Physical Hazards • Health Hazards • Environment Hazards LABEL ELEMENTS • Symbols • Danger • Precaution	EC 1272/2008 (CLP/GHS) / / / / / P264 Wash your hands thoroughly after handling P280 Wear protective clothing and gloves, eye or face protection
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3. COMPOSITION AND INFORMATION ON INGREDIENTS

Characteristics Hazardous components	Mixture: aqueous solution of ammonium phosphate EthyleneDiAmineTetraAcetate Tetra Sodium (EDTA, Na4) [$< 0.16\%$] CAS # 64-02-8 Acute Tox. 4; Eye Damage 2A; Skin Irritation 2, Organ Tox. 3 H302. H319. H315. H335 P264. P270. P280. P301+P330+P331. P302+P352. P305+P351+P338. IsoOctyl Amino Carboxylate, Sodium Salt [$0.16-0.83\%$] CAS # 94441-92-6 DiAmmonium Phosphate (DAP) [$5-8.4\%$] CAS # 7783-28-0
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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 Specific risks	Not flammable Aqueous solution: does not present specific risk in the case of fire
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6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear impervious clothes, protective gloves and goggles / face protection
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 	Pump into clearly identified unbreakable containers Wash thoroughly with water Incineration according to local regulations

7. HANDLING AND STORAGE

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

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT	
<ul style="list-style-type: none"> ● Hand protection ● Eye protection ● Body protection 	Impermeable gloves (PVC) if continual handling Goggles and/or face protection Protective clothing
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 Light orange / Faint ammonia smell 8.0 +/- 1.0 -1°C +105°C None 1.036 kg/m ³ Completely soluble in water
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10. STABILITY AND REACTIVITY

Thermal decomposition Hazardous reactions	Stable under normal conditions of use and storage Avoid contact with strong oxidising acids. This can generate ammonia
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11. TOXICOLOGICAL DATA

Acute toxicity Local effects on the eye and skin	Not classified as toxic if swallowed Not irritating to eyes and skin at recommended concentration of use
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12. ECOLOGICAL DATA

<p>ENVIRONMENTAL BEHAVIOUR</p> <ul style="list-style-type: none"> • Biodegradation data • Biodegradation rate Persistence • Bio accumulative • PBT and vPvB assessment <p>ECOTOXICITY</p> <ul style="list-style-type: none"> • Aquatic life toxicity 	<p>COD = 7.3 g O₂/l BOD₅ = 0.34 g O₂/l Product is not readily biodegradable Product is free of persistent components Product is free of bio accumulative components Not classified PBT or vPvB Not available</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 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</p> <p>Do not discharge in the environment Rinse with plenty of water Recycle / dispose in line with local authority guidelines</p>
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14. TRANSPORT INFORMATION

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

<p>Safety, human health and environmental regulations related to the product</p>	<p>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</p>
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16. OTHER INFORMATION

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