

# MATERIAL SAFETY DATA SHEET

PRODUCT: **Water Additive for Firechief XTR Water Extinguishers**  
**ESR3 ESR20**

## 1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

- 1.1 IDENTIFICATION OF THE PREPARATION: **Ecospray**
- 1.2 COMPANY IDENTIFICATION
- Fire Depot  
Sentura House  
3 Lands End Way  
OAKHAM  
Rutland  
LE15 6RB
- 1.4 EMERGENCY TELEPHONE: 01752 770478

## 2. HAZARDS IDENTIFICATION

Health Hazards	Irritating to eyes
Physical and chemical hazards	
Fire or explosion	Not flammable
Specific risks	This product is not classified as hazardous under European directive 1999/45/EC

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Characteristics	Aqueous solution of ammonium phosphate
Hazardous components	EtheleneDiAmine,TetraAcetate TetraSodium.....<1% Xi ; R36 / <b>CAS No: 64-02-8 / EINECS NO: 200-573-9</b> IsoOctyl AminoCarboxylate. Sodium Salt.....1 – 5% Xi; R38/41

## 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
Swallowing	Wash mouth with water. Seek medical advice should pain occur and persist



Phone: 0330 999 2233  
Email: [info@firedepot.co.uk](mailto:info@firedepot.co.uk)  
[www.firedepot.co.uk](http://www.firedepot.co.uk)

Inhalation	If there are any signs of nausea or sickness, seek medical advice
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## 5. FIRE-FIGHTING MEASURES

Extinguishing media Protective equipment for fire fighters Portable fire extinguishers	Not applicable. Fire fighting water additive Standard equipment against fires Basic extinguisher operational and risk identification training is minimum requirement
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## 6. ACCIDENTIAL RELEASE MEASURES

Personal precautions Environmental protection  <b>CLEANING MEASURES:</b> Collecting Cleaning Disposal	Wear gloves and goggles 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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## 7. HANDLING AND STORAGE

<b>HANDLING:</b> <b>STORAGE:</b> Technical measures Storage conditions Storage recommendations  <b>PACKAGING MATERIALS:</b> Recommended Not advised Recommended sealing	Standard equipment against chemicals Avoid breathing vapours Storage area should contain accidental spill Sealed containers in normal cool warehouse <u>Product in bulk:</u> stainless steel, polyester or mild steel protected with epoxy or polyurethane coating. Tanks in PE, PP  Polyethylene, Polypropylene, stainless steel Mild steel, iron, aluminium, copper and its alloys Viton, Kevlar, Teflon
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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>PERSONAL PROTECTIVE EQUIPMENT:</b> Hand protection Eye protection Body protection <b>HYGIENIC MEASURES:</b>	Impermeable gloves (PVC) if continual handling Goggles Working clothes DO NOT eat, drink or smoke while handling the product Clean hands after working with ant chemical products
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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical form	Solubility liquid
Colour / Odour	Light orange / Faint ammonia smell
pH at 20°C	8.0 +/- 1.0
Freezing point	-14°C
Boiling point	+105°C
Flammability / oxidising / explosive properties	None
Specific gravity at 20°C	1180 +/- 20 Kg/m <sup>3</sup>
Solubility	Completely soluble in water

## 10. STABILITY AND REACTIVITY

Thermal decomposition	Stable under normal conditions of use and storage
Hazardous reactions	Avoid contact with strong oxidising agents such as all strong acids. This can generate Ammonia.

## 11. TOXICOLOGICAL INFORMATION

Acute toxicity	None to be expected. Not classified as toxic if swallowed
Local effects on the eye and skin	Not irritant at the recommended concentration of use

## 12. ECOLOGICAL INFORMATION

<b>ENVIRONMENTAL BEHAVIOUR:</b>	
Biodegradation data	COD = not available      mg O <sub>2</sub> / l      [ Test CE C5 ]
Biodegradation rate	BOD <sub>5</sub> = not available      mg O <sub>2</sub> / l      [ Test CE C6 ]
Bio accumulative	PENTSPRAY is readily biodegradable
<b>ECOTOXICITY:</b>	Expected to adversely effect if discharged in large quantities.
Aquatic life toxicity	Not expected to be toxic after dilution

## 13. DISPOSAL CONSIDERATIONS

<b>PRODUCT:</b>	
Prohibition	Do not discharge in the environment
Disposal	Small amounts of product do not interfere with water treatment facilities. If released in sewage system accidentally, it is recommended to restrict where possible and if not, to control a slow flow rate in order to avoid over loading system. Big quantities must be treated as chemical waste according to local regulations and any volume of material would be deemed a trade waste under local regulations.
<b>PACKAGING:</b>	
Prohibition	Do not discharge in the environment
Cleaning	Rinse with plenty of water
Disposal	Incineration or an agreed method for package recycling

## 14. TRANSPORT INFORMATION

**INTERNATIONAL REGULATIONS**

Road - RID/ADR  
Sea - OMI/MDG  
Air - ICAO/IATA

Non hazardous  
Non hazardous  
Non hazardous

**15. REGULATORY INFORMATION****LABELLING**

CE regulations  
Hazard symbols  
S phrases

Not Classified  
Not applicable  
S20/21 : When using do not eat drink or smoke  
S25 : Avoid contact with eyes

**16. OTHER INFORMATION**

Rules of drafting

R Phrases as mentioned in section 3

This Material Safety Data Sheet complies with European  
directive 1907/2006EC

Article 31

R22 : Harmful if swallowed

R36 : Irritating to eyes

R41 : Risk of serious damage to eyes