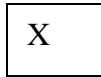


Trade Name: Aquamist – Water Additive

Appendix 7, Material Safety Data Sheet

Date: 08.11.04

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MATERIAL SAFETY DATA SHEET



INFORMATION FORM FOR
CHEMICALS DATA

Date: 08.11.04

Former Date: 30.12.04

1. IDENTIFICATION OF THE CHEMICAL AND OF THE MANUFACTURER, IMPORTER AND OTHER UNDERTAKING.

- 1.1.1 Identification of the substance or preparation*
Trade name* Aquamist
Code of Preparation* EX-S-300FF concentrate
- 1.1.2 Identification of the manufacturer, importer, other undertaking*
- 1.1.3 Manufacture, importer, other undertaking* Aquamist Fire Protection Ltd.
- 1.1.4 Street Address* 107c Westgate
Wakefield
West Yorkshire
Post Code UK – WF1 1EL
Telephone Number +44 1924 201866
Telefax +44 1924 201899

The above code of preparation is carried out under verbal license and supervised by: Aquamist Fire Protection Ltd. at Saffire Products Ltd. factory at 103 High Street, Riddings, Derbyshire. Contact telephone 01623 722000. Contact fax 01623 722200.

- 1.1.5 Name and address of the information in emergency cases*
- 1.1.6 Information on foreign manufacturer. N/A

2. COMPOSITION AND INFORMATION ON INGREDIENTS

- 2.1 Description
- 2.2 Hazardous ingredients

2.2.1 CAS number or other code	2.2.2 Name of the ingredient	2.2.3 Concentration	2.2.4 Warning symbol, R phrases and other data on the ingredients.
	Confidential	1 – 5	
	Confidential	10 – 30	
	Confidential	1 – 5	

2.2.5 Full chemical name of the ingredient (CAS number name) Confidential

2.2.6 Other information

3. HAZARDOUS IDENTIFICATION**4. FIRST AID MEASURES**

- | | |
|---|---|
| 4.1 Special instructions | None |
| 4.2 Inhalations | None |
| 4.3 Skin | If any irritation occurs rinse with water |
| 4.4 Splashes in eyes | If any irritation occurs irrigate with water |
| 4.5 Ingestion | If large volumes are swallowed, as a precaution, induce vomiting. |
| 4.6 Information to doctor or other trained persons giving first aid – | No general danger to health under normal use. |

5. FIRE-FIGHTING MEASURES

- | | |
|--|-----|
| 5.1 Suitable extinguishing media* | N/A |
| 5.2 Extinguishing media which must not be used | N/A |
| 5.3 Special exposure hazards in a fire | N/A |
| 5.4 Special protective equipment for a fire | N/A |
| 5.5 Other instructions | N/A |

6. ACCIDENT RELEASE MEASURES.

- | | |
|--------------------------|------|
| 6.1 Personal precautions | None |
|--------------------------|------|

7. HANDLING AND STORAGE

- | | |
|--------------|--|
| 7.1 Handling | No special handling precautions, other than weight factors |
| 7.2 Storage | Recommended temperature 5°C – 60°C |

8. HANDLING AND STORAGE

- | | |
|--|--------------------------------|
| 8.1 Technical measures for exposure controls | N/A |
| 8.2 Limit values for workplace air | None |
| 8.2.1 HTP values | N/A |
| 8.2.2 Other information | None |
| 8.3 Personal protective equipment | None |
| 8.3.1 Special instruction for protection and hygiene | No special protection required |

8.3.2 Respiratory protection	None
8.3.3 Hand protection	Waterproof gloves } – precaution only
8.3.4 Eye protection	Safety glasses } – sensitive skin / eyes
8.3.4 Skin protection	Barrier cream }

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Physical state, colour and odour	Clear liquid with slight pungent odour
9.2 PH	6.8
9.3 Information of changes in the physical state	
9.3.1 Boiling point / boiling range	90 – 110
9.3.2 Melting point / melting range	-35
9.3.3 Decomposition temperature	N/A
9.4 Flash point	N/A
9.5 Flammability (solid / gas)	N/A
9.6 Auto-flammability	N/A
9.7 Explosion hazard	N/A
9.8 Explosive limits	N/A
	a) Lower
	b) Upper
9.9 Oxidizing properties	None
9.10 Vapour pressure	+20 C:0.07 1 kPa
9.11 Relative density	+20 C:1.1kg / Cu dm
9.12 Solubility	Completely soluble
	a) Water solubility
	b) Fat solubility
9.13 Partitioin coefficient (for ingredients): n-octanol/water	N/A
9.14 Viscosity	N/A
9.15 Other information	None

10. STABILITY AND REACTIVITY

10.1 Conditions to avoid	None
10.2 Material to avoid	None
10.3 Hazardous decomposition products	None

11. TOXICOLOGICAL INFORMATION

11.1 Acute toxicity	LD50:>5000mg/kg (oral), OECD LD50:>5000mg/kg
11.2 Irritancy and corrosiveness	N/A
11.3 Sensitisation	None
11.4 Sub acute, sub chronic and prolonged toxicity	None
11.5 Empirical data on effects on humans	No irritation
11.6 Other information on health effects	None

12. ECOLOGICAL INFORMATION

12.1 Persistence in the environment	None
12.1.1 Biodegradation biodegradable	Biodegradable
12.1.2 Chemical degradation	N/A
12.2 Bioaccumulations	None
12.3 Mobility	N/A
12.4 Toxic effects on organisms	
12.4.1 Aquatic toxicity	None known
12.4.2 Other toxicity	Non toxic at expected quantities in nature
12.5 Other information	

13. DISPOSAL CONSIDERATION

dilute with excess amounts of water

13. TRANSPORT INFORMATION

14.1 Un number	N/A
14.2 Packaging category	N/A
14.3 Land transport	N/A
14.3.1 Transport class	N/A
14.3.2 Risk Code	N/A
14.3.3 Name according to bill of freight	Aquamist fire fighting liquids
14.3.4 Other information	None
14.4 See transport	
14.4.1 IMDG class	
14.4.2 Correct technical name	Aquamiat EX-S-300FF
14.4.3 Other information	None
14.5 Air transport	
14.5.1 ICAO/IATA class	
14.5.2 Correct technical name	Aquamist EX-S-300FF
14.5.3 Other information	None

15. REGULATORY INFORMATION

15.1	Information on the warning label	N/A
15.1.1	Letter code of the warning symbol and indications of danger for the preparation	N/A
15.1.2	Names of the ingredients given on the warning label	N/A
15.1.3	R Phrases	N/A
15.1.4	S Phrases	N/A
15.1.5	Special regulations on certain preparations	N/A
15.2	National regulations	N/A

16. OTHER INFORMATION

16.1	Purpose of use	Fire extinguishing medium
16.1.1	Expressed in writing	Use mixed with water as directed
16.1.2	Code for the purpose of use	

SIC 1:	KT 1:
SIC 2:	KT 2:
SIC 3:	KT 3:
SIC 4:	KT 4:

SIC (TOL) – Standard industrial classification

KT – Desired effect of the chemical

16.2	Directions for use	See Saffire standard instructions
16.3	Other information	None
16.4	Additional information available from:	Aquamist Fire Protection Ltd.
16.5	Sources of information used in the compilation of the safety data sheet various toxicity and environmental reports.	

Reasons for the confidentiality of the information: - Any areas highlighted as confidential are for the protection of the intellectual property rights.

Date: 08.11.04

Signature