

Trade Name: Aquamist – F – 100

Appendix 7, Material Safety Data Sheet

Date: 08.11.04

Former Date: - 01.04.2000

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X	MATERIAL SAFETY DATA SHEET	X	INFORMATION FORM FOR CHEMICALS DATA
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**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*	F - 100
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	
2.2.3	Full chemical name of the ingredient (CAS number name)	X
2.2.4	Other information	Confidential

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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. |
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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 |
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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 0°C – 50°C |
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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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	Slightly OP
9.2 PH	7 + 5
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	
a) Lower	N/A
b) Upper	N/A
9.9 Oxidizing properties	None
9.10 Vapour pressure	+20 C:0.07 1 kPa
9.11 Relative density	+20 C:1.221kg / L
9.12 Solubility	
a) Water solubility	Completely soluble
b) Fat solubility	N/A
9.13 Partitioin coefficient (for ingredients): n-octanol/water	N/A
9.14 Viscosity	2728 cps @ degrees C
9.15 Other information	None

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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

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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 F100
14.3.4 Other information	None
14.4 See transport	
14.4.1 IMDG class	
14.4.2 Correct technical name	Aquamist F-100
14.4.3 Other information	None
14.5 Air transport	
14.5.1 ICAO/IATA class	
14.5.2 Correct technical name	Aquamist F-100
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

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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