

# FIRE SERVICES & SUPPLIES



44 Culm Lea Cullompton Devon EX15 1NJ

Mobile: 07545 097968 Website: <http://www.Fire-Services.co.uk> Email: info@Fire-Services.co.uk

Company Registration No: 6808735

<b>PRODUCT SAFETY DATA SHEET:</b>		<b>Silvani Polifilm K122 6% AFFF</b>		
ISSUE NO:	1			
AUTHORISED:				
DATE:	November 1998			
<b>1) IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY UNDERTAKING</b>				
Product Name:	Silvani Polifilm K122 6% AFFF			
Application:	Fire Extinguishing Agent			
<b>2) COMPOSITION/INFORMATION ON THE INGREDIENTS</b>				
<b>Ingredients</b>	<b>CAS Number</b>	<b>%</b>	<b>Symbol</b>	<b>Risk Phrases</b>
Butyldiglycol	112-34-5	* 8 - 11	Xi	R36 - Irritating to eyes
Monoethyleneglycol	107-21-1	* 5 - 8	Xn	R22 - Harmful if swallowed
Fluroalkyl Surfactant	Trade Secret	< 5	Xn	R22 - Harmful if swallowed R36 - Irritating to eyes
Synthetic Detergent	Trade Secret	< 5	Xi	R36/38 - Irritating to eyes and skin
Please refer also to Section (s)	8			
<b>3) HAZARDS IDENTIFICATION</b>				
Important Hazards				
Health/Physical Hazards	Not considered hazardous to health under CHIP2 and CHIP96 regulations and EU Directive 88/379/EEC.			
Environmental Hazards	None known			
<b>4) FIRST AID MEASURES</b>				
4.1) FIRST AID MEASURES	Flush immediately with plenty of water for at least 15 minutes, keeping eyelids open. Seek medical attention			
4.2) Contact with the skin	Wash immediately with plenty of water. Remove any contaminated clothing and launder before reuse. If irritation develops, seek medical attention			
4.3) Inhalation	Remove patient to fresh air, allow to rest and keep warm. If specific symptoms are evident, seek medical attention.			
4.4) Ingestion	DO NOT induce vomiting! Give 1 - 2 glasses of water or milk to drink and seek medical advice.			
<b>5) FIRE FIGHTING MEASURES</b>				
Extinguishing Media				
Suitable	Not applicable as the product is an extinguishing agent			
Not to be used	None			
Special Exposure Hazards	Thermal decomposition may produce toxic materials including trace amounts of hydrofluoric acid.			
Special protective equipment for fire fighters	Not normally required			
<b>6) ACCIDENTAL RELEASE MEASURES</b>				
Personal precautions	Spilled product presents a significant slip hazard. Wear suitable protective clothing,			



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	gloves, safety goggles
Environmental precautions	Prevent large amounts from entering sewers or the immediate environment. In case of large spill, inform local police and/or fire brigade
Methods for cleaning up on soil	Absorb onto inert material such as sand or earth, and dispose of according to Controlled Waster Regulations. Clean up residue with water
Methods for cleaning up on water	None
Please refer also to Section (s) 13	
<b>7) HANDLING AND STORAGE</b>	
Handling	Although this material is not classified as hazardous, like all chemicals it should be treated with respect and in accordance with good industrial hygiene and safety procedures. In order to avoid the possibility of skin disorders, repeated or prolonged contact with products of this type must be avoided. It is essential to maintain a high standard of personal hygiene. Wash hands thoroughly after handling this product. Avoid contact with eyes. Do not breathe vapours or mists. Do not ingest.
Storage	Protect from frost. Store out of direct sunlight. Store between 1° - 48° C
<b>8) EXPOSURE CONTROLS AND PERSONAL PROTECTION</b>	
Recommended engineering controls	Ensure good ventilation. Arrange for eye wash possibility
Control parameters	
MEL/OES (EH40UK)	Contains Monoethyleneglycol
	10mg/m <sup>3</sup> 8hr TWA particulates OES
	60mg/m <sup>3</sup> 8hr TWA vapours OES
	125mg/m <sup>3</sup> 15 min STEL vapours OES
Monitoring procedures	Not required
Personal Protection	
- Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment, e.g. a breathing mask fitted with an organic vapour filter - type A1
Skin protection	Avoid contact with skin, especially prolonged or repeated contact. Appropriate protective clothing such as overalls or laboratory coat
Eye protection	Avoid contact with eyes. Wear appropriate eye protection such as safety goggles or visor
Hand protection	Rubber or plastic impervious gloves
<b>9) PHYSICAL AND CHEMICAL PROPERTIES</b>	
Appearance	Clear amber liquid
Odour	Mild
pH	7.5 to 8.0
Boiling point/range (°C)	100
Flash point (Pensky Martens) (°C)	Non-flammable
Autoignition (°C)	Not applicable
Explosive properties	None



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Density at 20°C (kg/m <sup>3</sup> )	1050 ± 10
Solubility in water (% by weight):	Miscible
<b>Note: These are typical values and do not constitute a specification</b>	
<b>10) STABILITY AND REACTIVITY</b>	
Stability	Stable
Conditions to avoid	Temperatures < 0°C and > 48°C.
Materials to avoid	Not applicable
Hazardous decomposition products	Oxides of carbon and traces of hydrogen fluoride evolved if concentrated product involved in fire. At use concentrations the levels of decomposition products are so low as to be not dangerous
<b>11) TOXICOLOGICAL INFORMATION</b>	
Test data	Oral LD <sub>50</sub> rat (mg/kg) > 5000mg/kg
	Skin irritation Not irritant
Exposure hazard	
Ingestion	Not a likely route of exposure. Unlikely to produce symptoms other than mild stomach upset
Skin contact	Repeated or prolonged contact may cause some transient irritation
Inhalation	May cause mild transient irritation to respiratory tract
Eye contact	May cause mild transient redness or irritation
Other Data	None
<b>12) ECOLOGICAL INFORMATION</b>	
Aquatic toxicity	
- LC <sub>50</sub> , Rainbow Trout, 96hr (mg/l)	No data available
- EC <sub>50</sub> , Daphnia magna, 48hr (mg/l)	No data available
Environmental effect	
- COD (mgO <sub>2</sub> /l)	29000
- BOD 5 (mgO <sub>2</sub> /l)	25000
Other data	
Biodegradability	91.6%
Sludge Respiration	No critical inhibition effects at concentrations of 1000 mg/l
<b>13) DISPOSAL CONSIDERATIONS</b>	
Disposal of product	According to Controlled Waste Regulation. Incineration may be possible, where authorised, after mixing with combustible material. The combustion products will include hydrogen fluoride. Spent solutions of used product and small quantities (less than 5 gallons or 20 litres) may, where authorised, be slowly discharged to a wastewater treatment system. If foaming occurs reduce discharge rate. Alternatively incineration may be used as above
Disposal of packaging	According to Controlled Waste Regulations



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<b>14) TRANSPORT INFORMATION</b>	
Substance id. no. (SIN) (UN No.):	None
Correct shipping name:	Not applicable
Land transport	Not classified under this legislation
- Transport hazard label	Not applicable
- RID/ADR classification	Not applicable
Maritime transport	Not classified under this legislation
- Transport hazard label	Not applicable
- IMO - IMDG class	Not applicable
- IMO - IMDG page	Not applicable
- Packaging group	Not applicable
- EmS no.	Not applicable
- MFAG no.	Not applicable
Air Transport	Not classified under this legislation
- Transport hazard label	Not applicable
- ICAO/IATA classification	Not applicable
Other information	None
<b>15) REGULATORY INFORMATION</b>	
EU labelling information	
- Symbol (s)	None
- R-Phrase (s)	None
- S-Phrase (s)	None
- EINECS number	All ingredients of this product are listed in EINECs or ELINCS, unless specifically exempted under EU Directive 67/548/EEC
Specific provisions	None
<b>16) OTHER INFORMATION</b>	
Sources of key data used	Raw material suppliers' data sheets were used as key data sources in the preparation of this safety data sheet
Nature of revision	Correction to ingredient percentages in Section 2. Amendment to CHIP96 regulations in Section 3. All changes are designated by an asterisk (*).

