

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

PRODUCT SAFETY DATA SHEET: GPS Fire Fighting Powder	
ISSUE NO:	1
AUTHORISED:	
DATE:	November 1998
1) IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY UNDERTAKING	
Product Name:	Silvani Polifilm K122 6% AFFF
Application:	Fire Extinguishing Agent
2) COMPOSITION/INFORMATION ON THE INGREDIENTS	
Ingredients	CAS Number
Ammonium sulphate	7783-20-2
Monoammonium phosphate	7722-76-1
Attapulgitic clay	12174-11-7
Potassium aluminium silicate	1318-94-1
Silicon dioxide	7631-86-9
Methyl hydrogen polysiloxane	63148-57-2
Pigment	
3) HAZARDS IDENTIFICATION	
Inhalation	Fine powder. Can cause breathing problems
Skin contact	Can cause irritation
Eye contact	Can cause irritation
Ingestion	Non-toxic, but may cause sickness
4) FIRST AID MEASURES	
4.1) Inhalation	Flush immediately with plenty of water for at least 15 minutes, keeping eyelids open. Seek medical attention
4.2) Skin contact	Can cause irritation by removing natural oils from skin, particularly with sensitive skin. Wash off skin immediately with soap and water.
4.3) Eye contact	May cause irritation. Wash for 15 minutes with water. Summon medical help if symptoms persist.
4.4) Ingestion	Non-toxic but may cause discomfort or sickness. Summon medical help if symptoms persist. Drink plenty of water.
5) FIRE FIGHTING MEASURES	
Suitable extinguishing media	GPS is a fire fighting medium, non flammable
Extinguishing media that must not be used	None known
Special exposure hazards	None known
Special protective equipment	Dust masks if powder is dispersed



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	in air at fire scene.
6) ACCIDENTAL RELEASE MEASURES	
Personal precautions	Wear dust mask, goggles, gloves and overalls
Environmental precautions	Prevent fine powder from blowing into air by covering with plastic sheet or similar.
Methods for cleaning up	vacuum, sweep up, place in containers and dispose of correctly.
7) HANDLING AND STORAGE	
Precautions for safe handling	Wear protective clothing, including dust mask. Do not allow powder to be blown by wind or air currents.
Conditions for safe storage	Store in sealed containers in cool dry place. Containers should be maintained in good condition
8) EXPOSURE CONTROLS AND PERSONAL PROTECTION	
Respiratory protection	Dust mask to be worn
Hand protection	Gloves to be worn
Eye protection	Goggles to be worn
Skin protection	Overalls to be worn
Exposure limits	Long term exposure limit (8 hour TWA): Short term exposure limit (10 minutes):
9) PHYSICAL AND CHEMICAL PROPERTIES	
Appearance	fine peach powder
Odour	odourless
pH	when water repellent coating removed and powder dissolved, pH = 4.6
Boiling point/ boiling range:	N/D
Melting point/melting range	N/D
Flash point	N/D
Flammability (solid, gas)	Non-flammable
Autoflammability	N/D
Explosive properties	None Known
Oxidising properties	None Known
Vapour pressure	N/D
Relative density	bulk density 0.87
Solubility	insoluble due to water-repellent coating
Partition coefficient	N/D
10) STABILITY AND REACTIVITY	
Stability of the substance	Stable within temperature range given on label.
Conditions to avoid	Damp, high or low temperatures (outside range on label). Pressure on powder could cause caking and lumping.
Materials to avoid	Potassium and ammonium nitrate, potassium chlorate, potassium nitrite, sodium hypochlorite
Hazardous decomposition products	Depending on circumstances can emit ammonia, oxides of phosphorus, or oxides of sulphur.
11) TOXICOLOGICAL INFORMATION	
Non-toxic	Ammonium sulphate and mono-ammonium phosphate are used as food additives
12) ECOLOGICAL INFORMATION	
Mobility	very mobile product in soils



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Destination of the product	ultimate destination, water
Short and long term effects on ecotoxicity	EC50 (Daphnia magna) /24h 1340 mg/l
Other adverse effects	LC50 (fish; Phoxinus) /96h 155ppm thermal decomposition on heating.
13) DISPOSAL CONSIDERATIONS	
Material may be disposed of to waste without special treatment or notification.	
14) TRANSPORT INFORMATION	
Do not expose powder to excessive pressure when transporting, to prevent caking and lumping. Do not allow powder to get wet or damp.	
15) REGULATORY INFORMATION	
The information contained within this manufacturers safety data sheet does not constitute the users own assessment of workplace risk as required by other Health and Safety legislation.	
16) OTHER INFORMATION	
Training advice	Fire Services and Supplies offer a range of courses to assist users
Recommended uses and restrictions	For use on fires of classes A, B and C.
Further information	See product data sheet.

