

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: Carbon Dioxide				
ISSUE NO:	1			
AUTHORISED:				
DATE:	January 2003			
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	%	Symbol	Risk Phrases
Carbon Dioxide	00124-38-9			
3) HAZARDS IDENTIFICATION				
Liquefied gas. Contact with product may cause burns or frostbite. In high concentrations may cause asphyxiation. Large volume increase on phase change.				
4) FIRST AID MEASURES				
4.2) Contact with the skin	immediately flush with water. In case of frostbite, spray with water for at least 15 minutes and apply a sterile dressing.			
4.3) Inhalation	Wearing self-contained breathing apparatus, remove victim to uncontaminated area. Keep warm and rested. Call a doctor			
4.4) Eye contact	Immediately flush eyes with water for 15 minutes			
4.5) Ingestion	Not considered a potential route of exposure			
FIRE FIGHTING MEASURES				
Extinguishing Media				
Suitable extinguishing media	Product is non-flammable			
Extinguishing media that must not be used	All can be used			
Special Exposure Hazards	Stored under pressure. Exposure to fire may cause containers to vent pressure			
Special protective equipment for fire fighters	use self-contained breathing apparatus			
5) ACCIDENTAL RELEASE MEASURES				
Personal precautions	evacuate area. Ensure adequate air ventilation. Use self-contained breathing apparatus when entering area. Use protective clothing			
Environmental precautions	try to stop release. Prevent from entering sewers, basements and work pits			
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	ventilate area			
6) HANDLING AND STORAGE				
Precautions for safe handling	use only properly specified containers. Do			



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	not allow suck back of water into containers.
Conditions for safe storage	keep container below 50°C in a well-ventilated place.
7) EXPOSURE CONTROLS AND PERSONAL PROTECTION	
Respiratory protection	ensure adequate ventilation
Hand protection	gloves to protect from cold
Eye protection	goggles or face mask
Skin protection	overalls
Exposure limits:	8hr TWA vapours OES
long term exposure limit (8 hour TWA)	5,000ppm
short term exposure limit (10 minutes)	15,000 ppm
8) PHYSICAL AND CHEMICAL PROPERTIES	
Appearance	Liquid. May appear as white mist
Odour	Sharp odour
pH	N/A
Boiling point/range (°C)	-56.6°C
Flash point (Pensky Martens) (°C)	N/A
Flammability (solid, gas):	Non-flammable
Explosive properties	None
Oxidising properties	None
Vapour pressure	N/A
Relative density	1.52 (air + 1). 0.82 (water = 1)
Solubility	Water solubility, fat solubility:2000mg/L :
Partition coefficient: n-octanol/water	Gas heavier than air, may accumulate in confined spaces.
9) STABILITY AND REACTIVITY	
Stability	Stable under normal conditions
Conditions to avoid	Slightly corrosive in presence of moisture
Materials to avoid	None known
Hazardous decomposition products	Nonr
10) TOXICOLOGICAL INFORMATION	
Prolonged exposure at 20,000ppm for several hours may cause headaches and exhaustion. High concentrations will cause asphyxiation and death.	
11) ECOLOGICAL INFORMATION	
Mobility	May be a contributor to the greenhouse effect
Degradability	Conversion by photosynthesis to oxygen by plant life
- Accumulation	Short and long term effects on ecotoxicity
Other adverse effects	When discharged in large quantities may contribute to the greenhouse effect
12) DISPOSAL CONSIDERATIONS	
Do not discharge into any place where its accumulation could be dangerous. Vent to atmosphere in a well-ventilated atmosphere. Discharges to atmosphere in large quantities should be avoided.	
13) TRANSPORT	



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<u>INFORMATION</u>	
UN No	1013
Class/div	2.2
ADR/RID item no	2.5a
ADR/RID hazard no:	20
Hazchem code	2RE
Groupcard no:	20g 16
Labelling ADR	Label 2: non-flammable, non-toxic gas.
<u>REGULATORY INFORMATION</u>	
EC classification	Not classified as a dangerous substance. Ras Asphyxiant in high concentration. RFS May cause frostbite.
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.	
<u>OTHER INFORMATION</u>	
Training advice: Chubb Fire offer a range of training courses to assist users. Recommended uses and restrictions: follow suppliers instructions. Further information: Sources of key data used to compile data sheet: suppliers MSDS.	

