

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: Polarfoam 3x3 for extinguishers				
ISSUE NO:	1			
AUTHORISED:				
DATE:	November 2002			
1) IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY UNDERTAKING				
Product Name:	Polarfoam 3x3 for extinguishers			
Application:	Fire Fighting Foam Concentrate			
2) COMPOSITION/INFORMATION ON THE INGREDIENTS				
Ingredients	CAS Number	Synonyms	Concentration	Health class
Hexylene glycol	107-41-5	1,2-Hexanediol	5	Xi , R36/38
Sodium chloride	7647-14-5	2-Methylpentan-2,4-diol	5-10	
Hydrolysed protein			20-50	
Fluorosurfactants			13.24	Xi , R36,37,38
Hydrocarbon surfactants			0.68	Xi, R36
Biocide			0.06	Xi, R36/38 R43
Water			Balance	
3) HAZARDS IDENTIFICATION				
Important Hazards				
Human health hazards: Irritating to eyes and skin. May cause sensitisation by skin contact				
4) FIRST AID MEASURES				
First aiders should know and take the precautions appropriate to avoid danger to themselves and the casualty. Take casualty together with material safety data sheet of this product to hospital or doctor, if necessary				
4.1) Contact with Eye	Wash out eyes with plenty of water or eye wash solution and seek medical attention			
4.2) Contact with the skin	Remove contaminated clothing. If there is skin contact, wash immediately with plenty of clean, gently flowing water. If persistent irritation occurs, obtain medical attention.			
4.3) Inhalation	Remove casualty from exposure. If there is breathing difficulty or cough, keep patient at rest, seated in position of maximum comfort			
4.4) Ingestion	Send casualty to hospital immediately. If ingestion is suspected, do not induce vomiting			
5) FIRE FIGHTING MEASURES				
Suitable	N/A This product is for fire fighting purposes			
6) ACCIDENTAL RELEASE MEASURES				
Personal precautions	Avoid contact with skin, eyes and clothing. Do not breathe mists, aerosols			
Personal Protection	SPILLAGE: The practice of washing spills into drains should be avoided if at all possible and should under no circumstances be allowed without first consulting the local Water Authority and the Environment Agency.			
Environmental precautions	Wear protective clothing specified for normal operations.			
Clean-up methods – small spillage	Absorb with earth, ash or sawdust for subsequent dry disposal. Place in a			



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	labelled, sealable container for subsequent safe disposal. Spillages cause slippery floors
7) HANDLING AND STORAGE	
Protect from sustained heat. Store in original sealed containers or approved systems. Store in an upright position not more than three high	
Personal Protective Equipment - Fire Fighting	
These concentrates will be used in fire fighting. This process may involve exposure to heat, flame and possibly toxic vapours and fumes. We recommend that appropriately designed personal protective equipment designed for use in fire fighting situations should be used	
8) EXPOSURE CONTROLS AND PERSONAL PROTECTION	
General precautions: Use only in well ventilated areas and follow general good housekeeping procedures	
Occupational Exposure Limit	
Pure Hexylene Glycol: Occupational Exposure Standard (OES)	
Long term exposure limit (8 hour time weighted average) : 25 ppm	
Short term exposure limit (10 minute) : 25ppm	
Personal Protective Equipment - Other Handling	
Avoid prolonged, extensive or repeated inhalation or contact to eyes and skin	
Hand Protection	Wear impervious gloves of an approved type (e.g. neoprene)
Eye Protection	Wear safety goggles of an approved type (BS 2092).
9) PHYSICAL AND CHEMICAL PROPERTIES	
Physical state	Liquid
Colour	Dark brown
Odour	Organic
pH at 20oC:	6.1-7.5
Boiling Point	1000 C at 760mm Hg
Freeze Point	-160C
Flammability	Not flammable
Solubility	Miscible with water in all proportions
Viscosity at 20oC:	13-25 mm/s
Specific Gravity	1.18
10) STABILITY AND REACTIVITY	
Stability	Stable up to 1000C. Treat as water, and exclude from contact with any materials which have violent reactions with water
Hazardous Decomposition Products	Do not expose containers to heat or flame, since the containers are made from high density polyethylene and will burn. Thermal decomposition of containers and/or products may generate acrid smoke and fumes and traces of Na2O, Cl-, SOx, NOx, and HF.
Inhalation	Inhalation of hazardous amounts is unlikely when used as intended. May cause irritation to respiratory tract when inhaled
Ingestion	Low oral risk when used as intended. May cause nausea, vomiting and diarrhoea when ingested.



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Contact to eyes or skin		Low risk if appropriate precaution measures are taken (see section 6). Can cause skin and eye irritation.
11) TOXICOLOGICAL INFORMATION		
Inhalation		Inhalation of hazardous amounts is unlikely when used as intended. May cause irritation to respiratory tract when inhaled.
Ingestion		Low oral risk when used as intended. May cause nausea, vomiting and diarrhoea when ingested
Contact to eyes or skin		Low risk if appropriate precaution measures are taken (see section 6). Can cause skin and eye irritation.
12) ECOLOGICAL INFORMATION		
Persistence/degradability		Readily biodegradable
Bioaccumulation		Bioaccumulation is unlikely to occur due to metabolism and excretion
Biodegradation	COD	425mgg-1
Biodegradable	BOD (5 day)	60mgg-1(16.8%)
Ecotoxicity		No data available at present
13) DISPOSAL CONSIDERATIONS		
Disposal of product		Waste should be disposed via local authority waste collection service or registered waste carrier. Ensure the destination is a licensed facility
Local legislation		Control of Pollution Act 1974 Environmental Protection Act 1990 Special Waste Regulations 1996
14) TRANSPORT INFORMATION		
Label for conveyance		No Transport Warning Sign Required
UN No		N/C
Rail Transport Class No		N/C
Sea Transport Class No:		N/C
EmS No		N/C
MFAG Table No		N/C
Air Transport Class No		N/C
15) REGULATORY INFORMATION		
Label For Supply	Xi	
Risk Phrases	Irritant	R36, R38, R43 May cause sensitisation by skin contact. Irritating to eyes and skin
Safety Phrases	S23, S24, S25, S26, S39	In case of contact with eyes rinse immediately With plenty of water and seek medical advice Wear eye/face protection. Avoid contact with eyes and skin Do not breath vapour/spray
UK Regulatory References		Health and Safety at work Act 1974.
Chemicals (Hazard Information & Packaging for Supply) Regulations		1994 / Amendment Regulations 1996
EC Directives		Substances Directive 67/548/EEC as amended by 69/81/EEC, 70/189/EEC, 73/146/EEC, 75/409/EEC, 79/831/EEC General Preparations Directive 88/379/EEC.
Statutory Instruments		Chemicals (Hazard Information and Packaging for Supply) Regulations
Approved Code of Practice		Classification and Labelling of Substances and Preparations Dangerous for Supply



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Guidance Notes	Occupational Exposure Limits EH40/96.
16) OTHER INFORMATION	
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 (*).

