

January 2019 - Version 2

# **HEXATHERM XROOF 500L**

Section 1 - Chemical Product and company identification

Product Name -	HEXATHERM	
Use -	Thermal Insulation	
Company -	Cellecta Limited, Bounty House, Medway Valley Park, Rochester, Ker	it, ME2 2NF
Email/Web Address -	technical@cellecta.co.uk www.cellecta.co.uk	<
Emergency Contact No	During office hours - 01634 296677. Outside of these please contact a medical	
	professional	

#### Section 2 - Composition/Information on Ingredients

Component	CAS #	EG #
Polystyrene	9003-53-6	500-008-9
Carbon dioxide (blowing agent)	00124-38-9	204-696-9
Isobutane (co-blowing agent)	00075-28-5	200-857-2
Brominated preparation with synergic (flame retardant)	1889-67-4	217-568-2
Solvent Dimethylether	115-10-6	204-065-8
Talcum	-	-
Colouring additive	-	-
Product labeled according to regulation CLP EC 1272/2008		

#### Section 3 - Hazards Identification

No particular hazards are known

Appearance -	Yellow, odorless foam board with closed cells	
Emergency Overview -	To prevent ignition, avoid open fire, smoking and high temperatures. Grinding, sawing or other treatments, can produce dust particles which may under specific conditions form explosive dust atmospheres that can be ignited.	
	Exposure to dust may be irritating to eyes, nose and throat.	
Potential Health Effects		
Inhalation -	Dust produced by grinding, Sawing or other treatments, may cause irritation of the nose, throat and respiratory tract.	
Skin contact -	No effects expected.	
Eye contact -	Dust produced by grinding, Sawing or other treatments, may cause irritation of the eyes.	
Ingestion -	Ingestion of the product can cause gastrointestinal irritation and/or disturbances.	
Notes to physician -	No specific antidote	

Section 4 - First aid measuresInhalation -Move person to fresh air. If effects occur, consult a physician.Skin Contact -Wash skin with plenty of water.Eye Contact -Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists, consult a medical professional.Ingestion -Consult a medical professional. Do not give laxatives and don't induce vomiting.

Section 5 - Fire fighting measures		
Flash Point -	320°C Flash ignition temperature according	
	ASTM D1929 (B)	
Extinguishing media -	Foam, water, carbon dioxide	

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## Safety Data Sheet



Section 5 - Fire fighting meas Hazardous combustion	sures (continued)
products -	Under fire conditions, polymers decompose. The smoke may contain polymer
products	fragments of varying compositions in addition to unidentified toxic or irritating
	compounds. Primary combustion products are Carbon Dioxide and Styrene.
Other Important flamibillity	compounds. Finnary combustion products are carbon bloxide and styrene.
information -	When the product is stared in closed containers a flammable atmosphere can
mormation -	When the product is stored in closed containers, a flammable atmosphere can
The fighting in structure	develop.
Fire fighting instructions -	Keep people away. Isolate fire perimeter
Protective Equipment for	
fire fighters -	Wear positive-pressure, self containing breathing apparatus and protective fire
	fighting clothes.
Section 6 - Accidental Release	e Measures
Protect people -	Clear non-emergency personnel from area. Use appropriate equipment.
Environmental protection -	Firewater may be toxic.
Clean up -	Pick up, sweep up dust and pieces. Depose in a suitable container.
Section 7 - Handling and Stor	age
Handling -	Prevent cumulation of dust. In order to prevent build-up of combustible vapours, do
	not store large quantities in an unventilated space.
Storage -	Flammable vapours may cumulate.
Storage -	The storage should be ventilated.
	-
	Storage, use and handling areas should be non-smoking areas.
	The material should never be exposed to a flame or other ignition sources.
	Take the necessary measurements to prevent build-up of static electricity.
Section 8 - Exposure Controls	s/Personal Protection
Engineering controls -	Provide general and/or local exhaust ventilation to control airborne levels below
0 0	exposure guidelines.
Personal protective equipment	
Eye and face protection -	Use safety glasses
Skin protection -	Wear clean body-covering clothes.
Respiratory protection -	Provide general and/or local exhaust ventilation to control airborne levels below
	exposure guidelines.
	exposure guidennes.
Section 9 - Physical and Chen	nical Proportios
•	Yellow foam board
Appearance -	
Physical state -	Solid
Odor -	Odorless
Specific gravity -	30 - 40kg/m3
pH -	N/A
Solubility (water) -	Insoluble
Softening point -	104°C
Decomposition -	≥320°C (Flash point)
	180°C (Physical/chemical degradation)

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### Safety Data Sheet



Section 9 - Physical and Chemical Properties (continued) Upper and lower explosion limits (Vol%):

UEL:	DME	26,2		
LEL:	DME	3,3		
UEL:	Isobutane	8,5		
LEL:	Isobutane	1,8		
	Chemical Stabil	-	-	
Stability -		•	ble in typical use conditions	
Conditions to a	avoid -		perature - 75°C	
		Avoid temper Avoid direct s	ratures above 250°C	
		Avoid direct s	unight	
Incompatibility	with other			
materials -	,	Avoid contact	with oxidizing materials, aldehydes, amines, esters, fuel and organic	
		solvents.		
Acute and chro	onic toxicity -	Dust from gri	nding, sawing, drilling may cause mechanical irritation of eyes and skin.	
Carcinogenicity	y -	There are no	known chronic health effects connected with long term us of the	
		product.		
C				
Section 12 - E	cological Infor		h probability that the product is not equitaly harmful to equatio	
Ecoloxicity -		-	h probability that the product is not acutely harmful to aquatic hibition of degradation activity of activated sludge is not anticipated	
		-	iced to biological treatment plants in appropriate low concentrations.	
			h: LC 50 (96 h) >500 mg/l, Leuciscus idus (DIN 38412 Part 15)	
		,,		
Persistence an	d degradability	- Experience sł	nows this product to be inert and non-degradable. The product has not	
		been tested.	The statement has been derived from products of a similar structure	
		and composit	tion.	
Bioaccumulatio	Bioaccumulation potential - The product will not be readily bioavailable due to its consistency and			
		insolubility in	water.	
Section 12 - F	Disposal Consid	lorations		
	-		nce with federal/or local regulations	
Section 14 - T	ransport Infor	mation		
Land transport	•	ADR	Not classified as dangerous goods	
		PID	Not classified as dangerous goods	

Land transport -	ADR	Not classified as dangerous goods
	RID	Not classified as dangerous goods
Inland waterway transport -	ADNR	Not classified as dangerous goods
Sea transport -	IMDG	Not classified as dangerous goods
Air transport -	IATA	Not classified as dangerous goods