

insuBEAM insulation

March 2022 - Version 1

Section 1 - Identification of the substance/preparation and the company

Product Name -	insuBEAM
Use -	Thermal Insulation for suspended ground floors
Company -	Collecta Limited , Bounty House, Medway Valley Park, Rochester, Kent, ME2 2NF
Email/Web Address -	technical@collecta.co.uk www.collecta.co.uk
Emergency Contact No. -	During office hours - 01634 296677. Outside of these please contact a medical professional.

Section 2 - Hazards Identification

Ghs/Clp Regulation (Ce) No.1272/2008	Not classified
Label Elements -	None
Other Hazards -	Non-hazardous in finished form. Residual quantities of process chemicals and blowing agents are insignificant. The product is combustible if exposed to intense heat or fire. EPS melts at high temperature and molten droplets may cause skin burns.

Section 3 - Composition/Information on ingredients

%	CAS No.	EC No.	REACH No.	Chemical Name	Chemical Formula	Hazards Classification	Notes
	9003-53-6	500-008-9	-	Polystyrene	[C8H8]n	-	1

1 - The product is a foam material manufactured by the expansion of the organic polymer Polystyrene

Section 4 - First Aid Measures

Inhalation -	Dust particles from cutting are unlikely to be inhalable dimensions unless power tools are used. If problems are experienced, remove to fresh air and drink water.
Skin Contact -	No specific measures for material in its normal state. If in contact with molten material treat effected area immediately with cold water and seek medical attention, do not attempt to remove any molten or solidified material from the skin.
Eye Contact -	If dust particles enter the eye, wash with water
Ingestion -	Drink plenty of water if accidentally ingested
Most Important Symptoms & Effects - IF ANY VERSE REACTION OR DISCOMFORT CONTINUES FROM ANY OF THE ABOVE EXPOSURES, SEEK MEDICAL ADVICE.	EPS melts at high temperatures and molten droplets may cause skin burns

Section 5 - Fire Fighting Measures

Extinguishing Media -	Water, foam, carbon dioxide (Co2), and dry powder
Specific Hazards -	Those normally associated with combustion of organic hydrocarbons and should be considered toxic, will include carbon monoxide and carbon dioxide, may contain hydrogen bromide and trace amounts of styrene monomer.
Advice for Firefighters -	Dense smoke will be generated and suitable breathing apparatus should be worn when fighting fires. Keep adjacent products cool by spraying with water.

Section 6 - Accidental Release Measure

Personal Precautions -	No specific measures are required for personal protection.
Environmental Precautions -	The product is in solid form and releases no harmful substances.

Continued on page 2

Section 6 - Accidental Release Measure (continued)

Method for Containment and Cleaning Up - N/A
DISPOSE OF IN ACCORDANCE WITH SECTION 13

Section 7 - Handling and storage

Precautions for Safe Handling -

No special precautions

Technical Measures -

If using power tools, provide dust extraction or use suitable respiratory protection, wear eye wear.

Technical Precautions -

When cutting, ensure adequate ventilation of workplace is available. When carrying sheet material be aware of strong winds especially when working at heights.

Technical Measures for Safe Storage -

Avoid heat, flames and other sources of ignition.

Storage Conditions -

Store under cover in dry conditions, protected from direct sunlight. Stack sheet materials flat without bearers.

Section 8 - Exposure controls/Personal protection

Exposure Limits - None.

Engineering Measures -

No specific requirements.

Respiratory Equipment -

If cutting using a hot wire ensure adequate ventilation to the workplace otherwise no specific requirements.

Hand Protection -

No specific requirements.

Eye Protection -

If cutting with power tools suitable eye protection is advised otherwise no specific requirements.

Skin protection -

No specific requirements.

Hygiene Measures -

No specific requirements.

NO SPECIFIC PROTECTION IS REQUIRED WHEN HANDLING EXPANDED POLYSTYRENE

Section 9 - Physical and Chemical Properties

Appearance Cellular foam in sheet form

Colour - White

Odour - Odourless

Ph - N/A

Boiling point - N/A

Melting point - 240°C

Flash point - 350°C

Flammability (Solid, Gas) - N/A

Relative density - 6gl-1 to 60gl-1 @ STP

Solubility - Insoluble in water, soluble in aryl compounds and halogenated solvents and ketones

Explosive Properties - N/A

Section 10 - Stability and reactivity

Reactivity -	None
Chemical Stability -	Stable and inert under normal conditions of use. Resistant to many chemical but not to solvents, care should be taken in choice of adhesive used. Decomposes above 200C
Possibility of Hazardous Reactions -	None in normal conditions
Conditions to Avoid -	Heating above 110C, ignition sources, solvents, prolonged sunlight
Incompatible Materials -	For full list please contact our technical department on 01634 296677.

Section 11 - Toxicological Information

Toxicological Data -	EPS is non-toxic and not chemically irritating to the skin or eyes
DUST CAN CAUSE MECHANICAL IRRITATION TO EYES - PLEASE REFER TO SECTION 7 & 8	

Section 12 - Environmental Information

Ecotoxicity -	Not expected to be toxic to aquatic organisms in its solid state
Degradability -	No significant biodegradation is expected
Bioaccumulative -	Not expected to bioaccumulate
Mobility in Soil -	The product is inert
Results of PBT & VPVB Assessment -	No data available
Other Adverse Effects -	No data available
EPS HAS A ZERO OZONE DEPLETING POTENTIAL (ODP) AND VIRTUALLY ZERO GLOBAL WARMING POTENTIAL (GWP)	

Section 13 - Notes on disposal

Waste Disposal Method -	Dispose of in accordance with regulations and procedures in force in the country of use or disposal
EWC-CODE -	07.02.13 Non-hazardous substance

Section 14 - Transport information

UN Number -	Not classified
UN Proper Shipping Name -	N/A
Transport Hazard Classes -	Not classified
Packing Group -	N/A
Environmental Hazards -	None
Special Precautions for User -	None
Transport in Bulk According to Annex II of Marpol 73/78 and the IBC Code Transport in Bulk-	N/A
THE PRODUCT IS NOT COVERED BY INTERNATIONAL REGULATION ON THE TRANSPORT OF DANGEROUS GOODS (IMDG, IATA, ADR/RID)	

Section 15 - Regulatory information

Safety, Health & Environmental Regulations/Legislation SPECIFIC FOR THE SUBSTANCE OR MIXTURE -	
The European Regulation on Chemicals No 1907/2006, Registration, Evaluation, Authorisation of Chemicals (REACH) enacted on June 1st 2007 requires the provision of a Safety Data Sheet for hazardous substances and mixtures/preparations. insuBEAM is defined as articles under REACH and therefore a Safety Data Sheet for these products is not a legal requirement. In accordance with industry practice and voluntary commitments, Collecta has decided to continue to provide its customers with the appropriate information for the purpose of assuring safe handling and use of EPS throughout the product life.	
CSA Status -	N/A

Section 16 - Other information

Supplementary information about this product can be supplied by Cellecta Ltd.

The information given is correct to the best of our knowledge at the time of publication but without guarantee of accuracy. It does not represent a guarantee of the properties of the product. We do not accept any responsibility for damage and claims arising from handling, transport, storage or disposal of the product. This data sheet applies to the product named above. If the product is used as parts of other products, information in the safety data sheet may be invalidated. No warranty is hereby expressed or implied.