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1: IDENTIFICATION OF THE SUBSTANCE / MIXTURE

1.1 Product Identity

Product Name: Multicor 150
XL 244,
WCM 50, 75

1.2 Relevant Identified Uses:

Recommended use: Insulation

1.3 Details of Supplier

POLYPIPE BUILDING PRODUCTS
BROOMHOUSE LANE
EDLINGTON
DONCASTER
DN12 1ES

1.4 Contact details / Emergency contact details

TELEPHONE: 01709 770000
EMERGENCY: 01709 770000 (Mon to Fri 08.00 to 17.30)
EMAIL: bp.datasheets@polypipe.com

The following information is based upon our current knowledge and experience of our products and is not exhaustive. It applies to the product range outlined above. The potential hazards identified, together with the recommended precautions for storage, handling and use, give the basic information for conducting workplace risk assessments and adequate control measures under the Control of Substances Hazardous to Health Regulations 2002, Control of Substances Hazardous to Health (Amendment) Regulations 2004, The CLP Regulations and the Approved Code of Practice

2: HAZARDS IDENTIFICATION

PVC-u Rigid Profile

Not classified

Polystyrene insulation

There are no known hazards associated with the solid product when used in accordance with the manufacturers instruction.

1. If cutting using a Band saw or similar, where large generation of dust may occur, ensure suitable extraction is provided. Exposure must not exceed 10 mg/m³ 8 hours TWA (Occupational Exposure Limit for total inhalable dust)

3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

PVC-u Rigid Profile

Polystyrene Insulation

Chemical Name	EC No	CAS No.	Weight %	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Registration Number
Poly (vinyl chloride)	-	009002-86-2	>99		-

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Pentane (Polystyrene)	203-692-4 201-142-8	109-66-0 78-78-4	< 1		H220
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4: FIRST AID MEASURES

4.1. Description of first aid measures

General Advice: Not applicable when used in accordance with the manufacturer's instructions.

Inhalation:	PVC –u-	Not applicable under normal conditions.
	Polystyrene -	Only applicable if using band saw or similar. Remove to fresh air, clear respiratory tract, seek medical advice.
Skin Contact:	PVC –u-	Wash skin with soap and water
	Polystyrene -	No specific measures.
Eye contact:	PVC –u-	Not applicable under normal conditions. If particles contact the eyes during cutting, irrigate thoroughly with clean water to remove particles from the eye
(s)		Obtain medical attention
	Polystyrene -	If particles contact the eyes during cutting, irrigate thoroughly with clean water to remove particles from the eye (s) Seek medical advice if symptoms persist.
Ingestion:	PVC –u-	Do not induce vomiting. Wash out of mouth with water and drink half a pint of water. Obtain medical attention if ill effects occur.
	Polystyrene -	Inhalation of smoke or fumes if subjected to high temperatures e.g. fire. - Remove from exposure into fresh air. Keep warm and at rest. Seek medical attention.

5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media	Foam, CO2, Sand or Earth
Unsuitable Extinguishing Media	Do NOT use water

5.2. Special hazards arising from the substance or mixture

Combustible but not readily ignited under normal conditions.

Combustion or thermal decomposition will evolve toxic and irritant vapours – Hydrogen Chloride, Carbon Monoxide & Carbon Dioxide, Smoke & Fire Soot

5.3. Advice for firefighters

With large fires self-contained breathing apparatus and protective clothing must be worn. Combustion will cease on flame removal.

6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal Precautions	No specific measures
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6.2. Environmental precautions

6.3. Methods and material for containment and cleaning up

Methods for Containment:	No specific measures
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6.4. Reference to other sections

Reference to other sections:

See section 8 & 13

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7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling

Ensure safe lifting techniques are applied when handling the product.

The use of Personal Protective Equipment (PPE) is recommended when working with this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions

Store under cover away from sources of heat and ignition and strong acids

Store in a dry location

8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Chemical Name	CAS No.	LTEL 8 hr TWA ppm	LTEL 8 hr TWA mg/m3	STEL ppm	STEL mg/m3	Note:
PVC Dust (Respirable)	009002-86-2	-	1.5	-	COM	01-2119457290-43-XXXX

Occupational Exposure Standards – Polystyrene

Chemical Name	Limit type	Value	Unit / other info
Expansion agent - Polystyrene			
Pentane	TWA 8hr	1770	Mg/m ³ – UK Solvents
Pentane	STEL 15min	2210	Mg/m ³ – UK Solvents
Decomposition products- Polystyrene			
Styrene Monomer	TWA 8hr	430	Mg/m ³ – EH40
Styrene Monomer	STEL 15min	1080	Mg/m ³ – EH40

8.2. Exposure controls

Engineering Controls

Personal Protective Equipment

Foot Protection

Wear safety footwear when handling product

Hand Protection

Wear Safety Gloves when handling product, possible sharp edges

Eye/Face Protection

Wear suitable protection as required. Not applicable under normal conditions.

Skin and Body Protection

Wear suitable protection as required. Not applicable under normal conditions.

9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

PVC –u

Physical State:

Solid PVC-u product

Odour:

None

Auto ignition Temperature:

450 °C

Explosive properties

Deposited dust is weakly flammable and has no self-sustained flame. This product is not classified as a dust explosive

Solubility (Water):

Insoluble

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Solubility (Other):	Soluble in: cyclohexanone, tetrahydrofuran, 1,2 Diclouroethane
Specific Gravity:	1, 4 at 20 Deg C

Polystyrene insulation

Physical State:	Insulation foam
Appearance:	Moulded sheet
Density:	Ranges from 10 kg/m ³ to 60 kg/m ³
Water solubility:	Insoluble
Solubility on in other solvents:	Soluble in aromatic, halogenated ad ketones
Softening point:	95 – 100 °C

10: STABILITY AND REACTIVITY

10.1. Reactivity

Stable under normal handling and storage conditions

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

PVC-u

With the exception of sulphuric acid (> 90%) and nitric acid (>50%), PVC is resistant to acids and alkalis up to 60 deg C. However, above this temperature the polymer is attacked by the stronger acids.

10.4. Conditions to avoid

Heat, flames and sparks. Strong sunlight for prolonged periods

10.5 Incompatible materials

PVC-u see 10.3

10.6. Hazardous decomposition products

PVC-u

Thermal decomposition will evolve toxic vapours. (hydrogen chloride, carbon monoxide, carbon dioxide and fire soot).

Polystyrene insulation

Styrene Monomer and Carbon Monoxide when burnt

11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

PVC-u

Inhalation	PVC products may contain traces of vinyl chloride monomer
Ingestion	High concentrations of dust may be irritant to the respiratory system
Skin	May cause abrasion in contact with skin
Eyes	May cause abrasion on contact with eyes

Polystyrene insulation

Polystyrene is non-toxic in normal use

12: ECOLOGICAL INFORMATION

General information:

PVC-u

There is no risk to the environment from the use of this product. The product is insoluble in water. The product has no mobility in soil. There is no evidence for biodegradability in water or soil. The product is not harmful to organisms.

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Polystyrene insulation

All products are not biodegradable and non-toxic. All products have zero Ozone Depleting Potential (ODP) and virtually zero Global Warming Potential (GWP). Products may contain some residual Pentane that has a very low Global Warming Potential of <0.00044.

13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

PVC-u

Recover and recycle if possible. Dispose of waste material in accordance with national and local regulations

Polystyrene insulation

Recover or recycle if possible. Scrap expanded polystyrene is not classified as "Notifiable Waste" and may be disposed of in suitable land-fill tips or by incineration under approved conditions. Advice on the preferred method should be obtained at all times.

14. TRANSPORT INFORMATION

These products are not classified as dangerous goods for carriage

15: REGULATORY INFORMATION

Not classified as hazardous for supply

16: OTHER INFORMATION

Training Advice Provide adequate information, instruction, and training for operator

This product should be used in accordance with the manufacturer's instructions

It is the user's responsibility to adhere to both National and Local Safety Regulations.

This safety data sheet complies with the requirements of: Regulation (EC) No. 1907/2006

Disclaimer

The information provided in this Safety Data Sheet was compiled using current safety information supplied by distributors of the component materials. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

This safety data sheet. Recipients of the product must take responsibility for observing existing laws and regulations. This Safety Data Sheet is in REACH Annex II format and supersedes all previous issues, and users are cautioned to ensure it is the current version.

Destroy all previous revisions and refer to the supplier on +44 1709 770000 for queries regarding this data sheet.