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1: IDENTIFICATION OF THE SUBSTANCE / MIXTURE

1.1 Product Identity

Product Name: Polypipe Building Products Medium Density Polyethylene (MDPE) Pipe –

1.2 Relevant Identified Uses:

Recommended use: Geothermal Piping Systems

1.3 Details of Supplier

POLYPIPE BUILDING PRODUCTS
BROOMHOUSE LANE
EDLINGTON
DONCASTER
DN12 1ES

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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

2.1 Classification of the substance or mixture

Non-Hazardous under normal conditions and use

2.2 Label elements

Not applicable

2.3 Other hazards

Non-Hazardous under normal conditions and use. Fine particles released during cutting may cause irritation to the eyes and respiratory tract.

3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

Product is a polyethylene polymer

Substances not classified as a health or environmental hazard when used in line with site instructions

Chemical Name	EC No	CAS No.	Weight %	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Registration Number
Ethylene Hexane 1 Copolymer (MDPE)	None assigned	25213-02-9	>99		None assigned (Polymer)

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4: FIRST AID MEASURES

General Advice:

Inhalation:	Not applicable in normal use. If thermal decomposition occurs and vapours have been inhaled, affected person is to be moved to fresh air and seek medical attention.
Skin Contact:	Not applicable under normal use. Fine particles released during cutting - wash with soap and water
Eye contact:	Not applicable under normal use. Fine particles released during cutting – rinse with clean water for up to 15 minutes holding eyelids apart. Seek medical advice.
Ingestion:	Not applicable in normal use. If ingestion of dust occurs during cutting, rinse mouth out with water and seek medical advice.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms:

Not applicable under normal use. Dust during cutting: Skin irritation, eye irritations

4.3. Indication of any immediate medical attention and special treatment needed

Note to doctors:

Not applicable under normal use.

5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media Water spray, Foam, or CO₂.

5.2. Special hazards arising from the substance or mixture

With large fires self-contained breathing apparatus must be worn

5.3. Advice for firefighters

If immediate actions fail to extinguish, evacuate the area – Combustion of product produces toxic gases and fumes including Carbon Monoxide

6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal Precautions: Not applicable under normal conditions.

6.2. Environmental precautions

Not applicable under normal conditions.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Material should be collected in clean containers and recycled where practicable.

6.4. Reference to other sections

Reference to other sections: Sections 8 & 13

7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling

Use in accordance with Work Instructions

Gloves should be worn if sharp edges present a risk of cut e.g. if product is broken.

7.2. Conditions for safe storage, including any incompatibilities

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Storage Conditions

Store in accordance with Work Instructions
MDPE Pipe products should not be stored in contact with oxidising agents.

7.3. Specific end use(s)

Other Information

N/A

8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	CAS No.	LTEL (8 hr TWA mg/m ³)	United Kingdom
Ethylene Hexane 1 Copolymer (MDPE)	25213-02-9	10	Inhalable Dust: UK WEL
		4	Respirable Dust: UK WEL

8.2. Exposure controls

Engineering Controls

Not applicable in normal use.

Personal Protective Equipment

General & hygienic measures

Wash hands before breaks and at the end of work
Avoid contact with the eyes

Eye/Face Protection

Suitable safety goggles should be worn to reduce the potential risk due to cutting swarf and dust

Respiratory Protection

Wear suitable dust mask if cutting operation creates dust

Protection of Hands

Abrasive resistant gloves should be worn to reduce the potential risk of small cuts and abrasions, which may occur during the installation / cutting process

9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical State:	Solid plastic products
Colour	As specified
Odour	Odourless
Ignition temperature	>320°C
Melting Point/Range	110 - 140°C
Danger of Explosion	Product is not explosive
Density	0.9 - 1.0 g/m ³
Solubility in water	Insoluble

10: STABILITY AND REACTIVITY

10.1. Reactivity

No hazardous reactions if stored and handled correctly. Prolonged heating above 300 °C decomposition products may be released.

10.2. Chemical stability

MDPE is stable if used according to specification and standard practice

10.3. Possibility of hazardous reactions

No hazardous reactions known

10.4. Conditions to avoid

Avoid extreme heat / ignition.

10.5. Incompatible materials

N/A

10.6. Hazardous decomposition products

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Thermal decomposition will evolve toxic vapours of carbon monoxide & carbon dioxide

11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute Toxicity	Not applicable
Primary Irritant Effect	
On the Skin	No irritant effect
On the Eye	Dust may cause irritation
Sensitisation	No sensitising effect known

12: ECOLOGICAL INFORMATION

12.1. Toxicity

There is no risk to the environment from the use of these products. The product is insoluble in water and has no mobility in soil.

13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product	Recycle where possible. Where not possible, dispose of in accordance with local and national regulations.
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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.