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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

**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**

**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:

<b>Inhalation:</b>	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.
<b>Skin Contact:</b>	Not applicable under normal use. Fine particles released during cutting - wash with soap and water
<b>Eye contact:</b>	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.
<b>Ingestion:</b>	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 CO<sub>2</sub>.

##### 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.

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**7.2. Conditions for safe storage, including any incompatibilities**

**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 <sup>3</sup> )	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**

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

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**10.5. Incompatible materials**

N/A

**10.6. Hazardous decomposition products**

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

**11: TOXICOLOGICAL INFORMATION**

**11.1. Information on toxicological effects**

<b>Acute Toxicity</b>	Not applicable
<b>Primary Irritant Effect</b>	
<b>On the Skin</b>	No irritant effect
<b>On the Eye</b>	Dust may cause irritation
<b>Sensitisation</b>	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**

<b>Product</b>	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.