



POLYPIPE CIVILS LTD SAFETY DATA SHEET

Date: December 2002
Code: MDPE/HDPE Polyethylene
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1. IDENTIFICATION

PRODUCT NAME: MDPE/HDPE Polyethylene Pipe

SUPPLIER: POLYPIPE CIVILS LTD
UNION WORKS
BISHOP MEADOW RD
LOUGHBOROUGH
LE11 5RE

TELEPHONE: 01509 615100
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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 Management of Health and Safety at Work Regulations 1998 and Control of Substances Hazardous to Health Regulations 1999.

2. COMPOSITION / INFORMATION ON INGREDIENTS

Polyethylene CAS No# 9002-88-4 Hazardous Ingredients : None

Product Description : RIDGIDUCT/RIDGIDRAIN Fittings 90mm – 375mm
POLYDUCT, MDPE PRESSURE PIPE

Various sizes and lengths of MDPE/HDPE polyethylene pipe

3. HAZARDS IDENTIFICATION

There are no known hazards associated with the solid products, although fine particles released on cutting may cause irritation to the eyes and respiratory tract. Polyethylene is chemically stable at normal temperature. Whilst some materials used in manufacture may themselves present a hazard, the finished product is chemically stable and no longer constitutes a chemical hazard.

4. FIRST AID MEASURES

Eye contact: Rinse with clean water to remove particles. Seek medical advice
Skin contact: Wash with soap and water. Burns caused by molten material require hospital treatment
Ingestion: Wash out mouth with water. Obtain medical attention.

5. FIRE FIGHTING MEASURES

Polyethylene is combustible, but burns slowly. In a fire it will melt and falling droplets may propagate the fire.
Extinguishing Media : In the early stages of a fire avoid the use of water jets and this may propagate the fire. For minor fires use carbon dioxide (CO₂) or powder, water. For more extensive fires: foam, water spray (mist) to cool, CO₂, or dry powder. If possible remove plastic from the seat of the fire. If immediate action fails to extinguish evacuate the building. With large fires self-contained breathing apparatus must be worn.
Exposure hazards complete combustion, with an excess of oxygen forms: carbon dioxide (CO₂) and water vapour. Partial combustion, forms also: Carbon Monoxide (CO), soot and cracked products, aldehydes, ketones, hydrocarbons and volatile fatty acids.
Protective equipment for fire-fighters: wear suitable breathing equipment, in case of exposure to vapour or fumes.

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6. ACCIDENTAL RELEASE MEASURES

Not Applicable

7. HANDLING AND STORAGE

Storage Precautions :

This product is combustible. Store away from naked flames, or hot surfaces. Polyethylene should not be stored in contact with strong acids or powerful oxidising agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Gaseous products of degradation can be given off if the product is overheated. Avoid inhalation.

9. PHYSICAL AND CHEMICAL PROPERTIES *

| | |
|----------------------|----------------------------------|
| Appearance: | Solid plastic products |
| Odour/Taste: | None |
| Density: | @0.9g/cm ³ (variable) |
| Melting Point | 150 - 170°C |
| Decomposition | 300 - 325°C |
| Ignition temperature | >360°C |
| Solubility | Insoluble in water |

10. STABILITY AND REACTIVITY

Polyethylene products are completely stable in normal use.

Hazardous Decomp. Products: Fire or high temperatures create: Variety of gases and vapours, Water, Aldehydes (Acrolein), Carbon monoxide (CO). Carbon Dioxide (CO₂).

11. TOXICOLOGICAL INFORMATION

In our experience and information available to us, the product is not harmful to health provided it is correctly handled and processed.

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12. ECOLOGICAL INFORMATION

There is no risk to the environment from the use of this product. The product has not been tested due to its consistency and its low water solubility. Bio-availability is unlikely.

13. WASTE DISPOSAL

Disposal Methods: Waste product comes within the scope of The Environmental Protection (Duty of Care) Regulations 1991 (SI 1991/2839 as amended SI 1996/972).

Check for possible re-cycling.

14. TRANSPORT INFORMATION

These products are not classified as dangerous goods for carriage.

15. REGULATORY INFORMATION

Not classified as dangerous for supply.

16. OTHER INFORMATION

This product should be used as directed. Recipients of the product must take responsibility for observing existing laws and regulations.

This Safety Data Sheet was compiled using the current safety information supplied by the distributors of the component materials. This Safety Data Sheet, in CHIP format, supersedes all previous issues, and users are cautioned to ensure it is current as of December 2002.