

1. IDENTIFICATION		
PRODUCT NAME: Geothermal Piping Systems.		
SUPPLIER:	POLYPIPE BUILDING PRODUCTS LTD BROOMHOUSE LANE DONCASTER DN12 1ES	
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<p>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 and the Approved Code of Practice.</p>		
2. 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.		
3. COMPOSITION / INFORMATION ON INGREDIENTS		
Medium Density Polyethylene (MDPE)	CAS No 54852-85-6	Risk Phrases: None
4. FIRST AID MEASURES		
Inhalation: Not applicable.		
Eye contact: Fine particles released on cutting - rinse with clean water to remove. Seek medical advice.		
Skin contact: Not applicable.		
Ingestion: Not expected to have any toxic affects.		
5. FIRE FIGHTING MEASURES		
Extinguishing Media: Use water spray, CO ₂ or foam. If immediate action fails to extinguish, evacuate the building.		
Hazardous combustion products: Toxic gases and fumes including carbon monoxide, paraffinic compounds and trace amounts of organic acids, ketones, aldehydes may be formed.		
For large fires, self-contained breathing apparatus must be worn. Combustion will cease on flame removal.		
6. ACCIDENTAL RELEASE MEASURES		
Not Applicable		
7. HANDLING AND STORAGE		
Usage Precautions: There are no specific usage procedures identified for this product. Gloves should be worn if edges are sharp where material has been broken.		
Storage Precautions: No special requirements are needed for storage. MDPE Pipe products should not be stored in contact with strong acids.		
8. EXPOSURE CONTROLS / PERSONAL PROTECTION		
Exposure Controls: Wear suitable dust mask and eye protection when cutting. WEL for dust; 10mg/m ³ , total inhalable dust (8 hr TWA), 4 mg/m ³ , respirable dust (8 hr TWA)		
Decomposition Products: WEL Hydrogen Chloride - 5 ppm (STEL,15 mins), WEL Carbon Monoxide - 200ppm (STEL, 15 mins)		
9. PHYSICAL AND CHEMICAL PROPERTIES		
Appearance:	Solid plastic product	
Odour/Taste:	None	
Gravity:	0.92	
Solubility	Insoluble	
Ignition temperature	>340°C	
Decomposition temp	130°C	

10. STABILITY AND REACTIVITY
MDPE Pipe products are completely stable in normal use. Avoid sources of ignition. Hazardous Decomposition Products; Thermal decomposition will evolve toxic vapours (carbon monoxide, paraffinic compounds and trace amounts of organic acids, ketones, aldehydes may be formed.
11. TOXICOLOGICAL INFORMATION
Not Applicable
12. ECOLOGICAL INFORMATION
There is no risk to the environment from the use of this product. The product is insoluble in water. The product as no mobility in soil. There is no evidence for biodegradability in water or soil. MDPE is not harmful to aquatic organisms.
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 options.
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 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.