

SAFETY DATA SHEET

Polypipe BP
Supersedes date: 10.01.2018

Revision Date: 20.09.22
Revision:3

Section 1: Identification of the Substance / Mixture and the Company Undertaking

1.1 Product identifier

Product Name: Polypipe Building Products HDPE
Product No: N/A

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Piping Systems

1.3 Details of the supplier of the safety data sheet

Supplier Polypipe Building Products Limited
Broomhouse Lane
Edlington
Doncaster
DN12 1ES

Tel: 01709 770000
Fax: 01709 770001

1.4 Emergency telephone number

Polypipe Building Products Ltd. ++44 (0) 1709 770000 (Mon-Fri 09:00 - 17:00)

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 in line with current regulations and guidance documents.

Section 2: Hazard Identification

2.1 Classification of the substance or mixture

Not classified as dangerous for supply or use

2.2 Label element

Product name: Ethylene Hexane 1 Copolymer
Hazard pictogram(s) None
Signal word(s) None
Hazard statement(s) None
Precautionary statement(s) None

2.3 Other hazards

The molten form can cause thermal burns if in contact with skin

Eye contact: Dust may cause irritation

2.4 Additional information

None

Section 3: Composition / Information on Ingredients

3.1 Substances

EC Classification No: 1272/2008

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Ingredient (s)	%W/W	Cas No.	EC No.	REACH Registration No.	Hazard pictogram(s) and Hazard statement (s)
Ethylene Hexene 1 Copolymer	>99	25213-02-9	None assigned	None assigned (Polymer)	None

3.2 Additional information

None

Section 4: First Aid Measures

4.1 Description of first aid measures

Inhalation	Not relevant, unless cutting pipe then dust particles may be released. Refer to your risk assessment to ensure relevant control measures are implemented
Ingestion	Rinse mouth thoroughly. Consult a physician for specific advice.
Skin contact	Important to remove the substance from the skin immediately. Remove contaminated clothing immediately and wash skin with soap and water. Contact physician if irritation continues.
Eye contact	Promptly wash eyes with plenty of water while lifting the eye lids open. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues

4.2 Most important symptoms and effects, both acute and delayed

The molten form can cause thermal burns if in contact with skin.

Eye Contact: Dust may cause irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Unlikely to be required but if necessary treat symptomatically.

Section 5: Fire Fighting Measures

5.1 Extinguishing media

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

5.2 Special hazards arising from the substance or mixture

Decomposition Products : Carbon monoxide, Carbon dioxide.

5.3 Advice for fire fighters

Decomposition Products : Carbon monoxide, Carbon dioxide.

Section 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Caution - spillages may be slippery. Wear protective gloves/protective clothing / eye protection / face protection.

6.2 Environmental precautions

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Due to the physical properties of this material, large spillage is unlikely to occur. Do not allow to enter drains, sewers or watercourses.

6.3 Methods and material for containment and cleaning up

Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

6.4 Reference to other sections

See section: 8, 13

Section 7: Handling and Storage

7.1 Precautions for safe handling

Avoid spilling, skin and eye contact.

7.2 Conditions for safe storage, including an incompatibilities

Store in a cool / low temperature, well-ventilated place. Keep in original container.

7.3 Specific end user(s)

As per specification / requirement

Section 8: Exposure Controls / Personal Protection

8.1 Control parameters

Not applicable

8.2 Exposure controls

Appropriate Engineering Controls

Local exhaust recommended (if creating dust through cutting or similar)

Respiratory equipment



In case of insufficient ventilation, wear suitable respiratory equipment. A suitable dust mask or dust respirator with filter type P (EN143 or EN405) may be appropriate. This must be determined by local risk assessment relevant to task, area.

Skin protection (Hand, other)



For prolonged or repeated skin contact use suitable protective gloves as determined through risk assessment.

Eye protection



If risk of splashing, wear safety goggles or face shield.

Hygiene measures

Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated.

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

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Appearance	Crystalline powder / Granules (Raw Material)
Colour	Off white
Odour	Odorless.
Odour Threshold	Not established
pH	Not applicable.
Initial boiling point and boiling range (°C)	Not available
Melting point / Freezing point (°C)	105 - 125
Flash point	>300 °C
Evaporation rate	Not available.
Flammability (solid, gas)	Non-flammable.
Upper/lower flammability or explosive limits	Not applicable
Vapour pressure	Not applicable
Vapour density	Not applicable
Density	<1
Solubility (ies)	Insoluble
Partition coefficient: n-octanol/water	Not applicable
Auto ignition temperature	>350 °C
Decomposition Temperature	Not available
Viscosity	Not applicable
Explosive properties	Not explosive
Oxidising properties	Not oxidising.

9.2 Other information

Not available

Section 10: Stability and Reactivity

10.1 Reactivity

Upon prolonged heating above 300 °C decomposition products may be released. High concentrations of vapour may be irritant to the respiratory tract.

10.2 Chemical stability

Stable under normal temperature conditions.

10.3 Possibility of hazardous reaction

Dust may form explosive mixtures with air

10.4 Conditions to avoid

Avoid excessive heat for prolonged periods of time.

10.5 Incompatible materials

Strong oxidising agents

10.6 Hazardous decomposition products

None under normal conditions. Otherwise, Carbon monoxide, Carbon dioxide

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Section 11: Toxicological Information

11.1 Information of toxicological effects

Acute toxicity	Low acute toxicity.
Skin corrosion/irritation	Non-irritant. The molten form can cause thermal burns if in contact with skin.
Serious eye damage/irritation	Dust may cause irritation.
Respiratory or skin sensitization	It is not a skin sensitiser.
Germ cell mutagenicity	There is no evidence of mutagenic potential.
Carcinogenicity	No evidence of carcinogenicity.
Reproductive toxicity	Not classified.
STOT - single exposure	None anticipated.
STOT - repeated exposure	None anticipated.
Aspiration hazard	Not classified.

Section 12: Ecological Information

12.1 Toxicity	Low toxicity to aquatic organisms.
12.2 Persistence and degradability	The product is not biodegradable.
12.3 Bioaccumulative potential	The product has no potential for bioaccumulation.
12.4 Mobility in soil	Insoluble in water. The product is predicted to have low mobility in soil.
12.5 Results of PBT and VPvB assessment	Not classified at PBT or vPvB.
12.6 Other adverse effects	None

Section 13: Disposal Considerations

13.1 Waste treatment methods	Recover or recycle if possible.
13.2 Additional information	Dispose of waste and residues in accordance with local authority requirements.

Section 14: Transport Information

14.1 UN number	Not applicable
14.2 UN proper shipping name	Not applicable
14.3 Transport hazard class(es)	Not applicable
14.4 Packing group	Not applicable
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	Not applicable
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable

Section 15: Regulatory Information

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15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture

15.2 EU authorisation and / or restrictions on use

Candidate List of Substances of Very High Concern for Authorisation Not listed.

REACH: ANNEX XIV list of substances subject to authorisation Not listed.

REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles Not listed.

Community Rolling Action Plan (CoRAP) Not listed.

15.3 National regulations Not available

15.4 Chemical safety assessment Not available

Section 16: Other Information

The following sections contain revisions or new statements: 1-16.

LEGEND

LTEL Long Term Exposure Limit

STEL Short Term Exposure Limit

DNEL Derived No Effect Level

PNEC Predicted No Effect Concentration

PBT Persistent, Bioaccumulative and Toxic

vPvB very Persistent and very Bioaccumulative

Issued By	Product Stewardship NOH (INEOS, raw material)
Revision Date	30.09.2016
Revision	4
Supersedes date	23.12.2010
SDS ID.	INEOS PE03 EN

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.

Disclaimer

This 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 a process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated.

However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

End of Safety Data Sheet