

SAFETY DATA SHEET

Polypipe BP
Supersedes date: 20.09.2022

Revision Date: 17.05.24
Revision:4

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

Ingredient (s)	Cas No.	EC No. / REACH Registration No.	%WW	Hazard Statement(s)	Hazard pictogram(s)
1-Hexene, polymer with ethene	25213-02-9	607-647-3	>98%	Not classified	None

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Contains no non-classified vPvB substances

3.2 Mixtures

Not applicable

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

Do not breathe fumes/vapour from heated product. Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

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

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

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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

Engineering Controls:	Not applicable in normal use.
Personal Protective Equipment:	
General & hygienic measures:	Wash hands before breaks and at the end of work.
Eye/Face Protection:	Suitable safety goggles should be worn to reduce the potential risk due to cutting swarf and dust. Avoid contact with the eyes.
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 process.

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance	Crystalline powder / Granules (Raw Material)
Colour	Off white
Odour	Odourless
pH	Not applicable
Initial boiling point and boiling range (°C)	Not available
Melting point / Freezing point (°C)	105 - 125
Flash point	>300 °C
Flammability	Non-flammable
Upper/lower flammability or explosive limits	Not applicable
Vapour pressure	Not applicable
Vapour density	Not known

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Density	<1g/cm ₃
Solubility (ies)	Insoluble
Partition coefficient: n-octanol/water	Not applicable
Auto ignition temperature	>350 °C
Decomposition Temperature	Not available
Viscosity	Not applicable

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.

Section 11: Toxicological Information

11.1 Information of toxicological effects

Acute toxicity	Not classified
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	Not classified
STOT - repeated exposure	Not classified
Aspiration hazard	Not classified

11.2 Information on other hazards

Not known

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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 classified as a marine pollutant
14.6 Special precautions for user	Not applicable
14.7 Maritime transport in bulk according to IMO instructions	Not known

Section 15: Regulatory Information

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

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

LEGEND

Hazard Pictogram(s)	None.
Precautionary Statement(s)	None.
Acronyms ATE :	Acute Toxicity Estimate
CAS :	Chemical Abstracts Service
CLP :	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

Issued By:	INEOS, Olefins & Polymers Europe
Revision Date:	05.12.2022
Revision No.	5
Date of Issue:	09.02.2023

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