

SAFETY DATA SHEET

Polypipe BP
Supersedes date: 05.10.2022

Revision Date: 17.05.2024
Revision: 4

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

1.1 Product identifier

Product Name: Polypipe Building Products PVC-u Range
Product No: If applicable

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

Identified uses: Above and Below Ground Systems, Rainwater Drainage Systems, Fittings for all systems mentioned.

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

GB CLP Regulation SI 2019/720 & SI (2020/1567) Not classified as dangerous for supply or use

2.2 Label element

GB CLP Regulation SI 2019/720 & SI 2020/1567

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.

2.4 Additional information

N/A

Section 3: Composition / Information on Ingredients

3.1 Substance / Mixture

Chemical Name	CAS No.	EC No. / REACH Registration No.	Weight %	Hazard Statement (s)	Hazard Pictogram (s)	Specific concentration limits; M Factor, ATE
Polyvinyl chloride	9002-86-2	618-388-8	>99	Not classified	None	None

3.2 Additional information

N/A

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Section 4: First Aid Measures

4.1 Description of first aid measures

General Advice:	When in doubt or if symptoms are observed, seek medical advice.
Inhalation:	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.
Skin Contact:	Not applicable under normal use. Fine particles released during cutting - wash with soap and water.
Eye contact:	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 if dust particles still remain.
Ingestion:	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

Not applicable under normal use. Dust during cutting: Skin irritation, eye irritations.

4.3 Indication of any immediate medical attention and special treatment needed

Not applicable under normal use.

Section 5: Fire Fighting Measures

5.1 Extinguishing media

Suitable Extinguishing Media: As appropriate for surrounding area

5.2 Special hazards arising from the substance or mixture

Combustible but not readily ignited under normal conditions.

Combustion or thermal decomposition will evolve toxic and irritant vapors. Hydrogen chloride, Carbon monoxide, Carbon dioxide, fire soot

5.3 Advice for fire fighters

A self-contained breathing apparatus and full protective clothing should be worn in fire conditions.

Section 6: Accidental Release Measures

6.1 Personal precautions, protective equipment, and emergency procedures

Personal Precautions: Not applicable under normal conditions / use. Avoid build of dust during any cutting process

6.2 Environmental precautions

Not applicable under normal conditions / use.

6.3 Methods and material for containment and cleaning up

Material should be collected in clean containers and recycled where practicable.

6.4 Reference to other sections

Refer to measures in sections 8 & 13.

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Section 7: Handling and Storage

7.1 Precautions for safe handling

Use in accordance with Work Instructions.

Gloves should be worn if sharp edges present a risk of cut.

Maintain good housekeeping standards to prevent accumulation of dust whilst cutting.

Ensure safe lifting techniques are applied when handling the product.

7.2 Conditions for safe storage, including an incompatibilities

Store in accordance with Work Instructions.

Store away from sources of heat and in a dry location.

7.3 Specific end user(s)

N/A

Section 8: Exposure Controls / Personal Protection

8.1 Control parameters

Exposure Limits: Not established.

Chemical Name	CAS No.	LTEL 8 hr TWA ppm	LTEL 8 hr TWA mg/m3	STEL ppm	STEL mg/m3	Note:
PVC Dust (Respirable)	9002-86-2	-	10	-	-	-
PVC Dust (Inhalable)	9002-86-2	-	4	-	-	-

Biological occupational exposure limits: Not established.

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 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 process.

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Physical State:

Solid PVC-u product

Odour:

Odourless (PVC)

Colour:

As specified

Auto ignition Temperature:

450 °C (in layer) 650 °C (cloudy)

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Decomposition Temperature (°C)	≥120 °C (exposure ca 3 hours), >250 °C (brief exposure)
Explosive properties	Classified as a dust explosive (class ST1, Raw Material)
Solubility (Water):	Insoluble
Solubility (Other):	Soluble in cyclohexanone, tetrahydrofuran, 1,2-Dichloroethane

9.2 Other information

Minimum Ignition Energy PVC (mJ) >2500 mJ

Section 10: Stability and Reactivity

10.1 Reactivity

Stable under normal handling and storage conditions

10.2 Chemical stability

Stable under normal handling and storage conditions.

10.3 Possibility of hazardous reaction

With the exception of sulphuric acid (> 90%) and nitric acid (>50%), PVC is resistant to acids and alkalis up to 60 deg C. However, above this temperature the polymer is attacked by the stronger acids.

10.4 Conditions to avoid

Avoid extreme heat. Dust accumulation

10.5 Incompatible materials

See 10.3

10.6 Hazardous decomposition products

Thermal decomposition will evolve toxic vapours.
(Hydrogen chloride, Carbon monoxide, Carbon dioxide, fire soot)

Section 11: Toxicological Information

11.1 Information of toxicological effects

Acute Toxicity Not classified.

Primary Irritant Effect

Inhalation	PVC Not classified
Ingestion	High concentrations of dust may be irritant to the respiratory system
Skin	May cause abrasion in contact with skin
Eyes	May cause abrasion on contact with eyes

Section 12: Ecological Information

12.1 Toxicity

Not harmful to aquatic organisms.
Low toxicity to fish and algae.

12.2 Persistence and degradability

No evidence for biodegradability in water.

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12.3 Bioaccumulative potential

Low potential.

12.4 Mobility in soil

Insoluble in water.

12.5 Results of PBT and VPvB assessment

Not classified as PBT or vPvB.

12.6 Other adverse effects

No data available

Section 13: Disposal Considerations

13.1 Waste treatment methods

Reuse or recycle if not contaminated.

Dispose of waste material in accordance with national and local regulations

13.2 Additional information

Not applicable

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 known

14.7 Maritime transport in bulk according to IMO instruments

Not known

Section 15: Regulatory Information

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

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REACH – Candidate list of Substances of Very High Concern for Authorisation (Article 59)

Not listed

15.2 EU authorisation and / or restrictions on use

Not applicable.

15.3 National regulations

Not applicable.

15.4 Chemical safety assessment

PVC

No Chemical Safety Assessment has been carried out.

Section 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.

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