



SAFETY DATA SHEET

PVC-U PIPE AND FITTINGS

1.0 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

| | |
|---------------------------|--|
| ALTERNATIVE PRODUCT NAMES | Unplasticised Poly(vinyl chloride) pipe and fittings |
| PRODUCT NO. | 2CSxxx, 4CSxxx, 5CSxxx, 3Dxxx, 4Dxxx, 6Dxxx, 80Dxxx, 100Dxxx, 160Dxxx, 2Mxxx, 4Mxxx, 5Mxxx, 2Sxxx, 3Sxxx, 4Sxxx, 6Sxxx, 1Oxxx, 0Txxx, 3Txxx, 4Txxx, 5Txxx, 6Txxx, 8Txxx, 9Txxx, 6URxxx, 9URxxx, 12URxxx, Exxx, 302xxxxx. |
| APPLICATION | Stormwater, Drain, Soil and Waste |
| MANUFACTURER: | <p>WAVIN UK Parsonage Way, Chippenham, Wiltshire, SN15 5PN</p> <p>Tel: (01249) 766600 (Opening hours 07.00 -19.00hrs) Fax: (01249) 443286</p> |
| CONTACT PERSON | development.technologist@wavin.com |

2.0 HAZARDS IDENTIFICATION

PVC-U pipes and fittings as finished product are not regarded as hazardous to health, and exhibit no chemical hazards when used under normal circumstances for the stated application(s). However, fine particles released on cutting may cause irritation to the eyes and respiratory tract.

3.0 COMPOSITION/INFORMATION ON INGREDIENTS

This material is not classified as hazardous to Health or the Environment under current EU legislation.

4.0 FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

After inhalation: Move the exposed person to fresh air at once.
Get medical attention if any discomfort continues.
Unlikely route of exposure as the product does not contain volatile substances.

After skin contact: Contact with molten product may cause burns. Cool with plenty of cold water.
Do not attempt to remove the solidified plastic without consulting a trained first aider.
Contact with the product at room temperature is unlikely to cause irritation however, obtain medical attention if any discomfort develops.

After eye contact: Promptly wash eyes with plenty of water while lifting the eye lids.
Continue to rinse for at least 15 minutes.
Get medical attention if any discomfort continues.

After ingestion: Unlikely route of exposure.
Get medical attention should discomfort develop.

4.2 INFORMATION FOR DOCTOR:

4.2.1 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.2.2 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

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5.0 FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

Extinguish with foam, carbon dioxide, dry powder or water fog.
Do not use water jet as an extinguisher, as this will spread the fire.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Avoid breathing fire vapours. Beware, risk of formation of toxic and corrosive gases.
Keep run-off water out of sewers and water sources.
Dike for water control. If risk of water pollution occurs, notify appropriate authorities.

5.3 ADVICE FOR FIREFIGHTERS

Self contained breathing apparatus and full protective clothing must be worn in case of a large fire.

5.4 ADDITIONAL INFORMATION

Beware, risk of formation of toxic and corrosive gases.

6.0 ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Not applicable.

6.2 ENVIRONMENTAL PRECAUTIONS

Do not allow to enter drains, sewers or watercourses.
Avoid release to the environment.

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Not applicable.

6.4 REFERENCE TO OTHER SECTIONS

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7.0 HANDLING AND STORAGE

7.1 PRECAUTIONS OF SAFE HANDLING

Avoid dust formation if cutting.
Avoid eating, drinking and smoking when using the product.
Observe good industrial hygiene practices.
Gloves should be worn if edges are sharp where pipes have been broken.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Products should preferably be stored in dry covered conditions away from direct sources of heat, including sunlight.
During storage it must be recognised that the packaging and pallets may themselves be a fire risk, and are generally a much more likely route for rapid fire spread.

7.3 SPECIFIC END USE(S)

No further relevant information available.

8.0 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

8.1.1 Occupational Exposure Limits

| | 15min TWA | 8hr TWA |
|-----------------------|----------------------|----------------------|
| Total Inhalable Dust | 20 mg/m ³ | 10 mg/m ³ |
| Total Respirable Dust | | 4 mg/m ³ |

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8.1.2 Decomposition Products With Occupational Exposure Limits

| Cas No. | Name | 15min TWA | 8hr TWA |
|-----------|--------------------|-----------------------|----------------------|
| 7647-01-0 | Hydrogen Chloride: | 8 mg/m ³ | 2 mg/m ³ |
| 630-08-0 | Carbon Monoxide | 232 mg/m ³ | 35 mg/m ³ |
| 75-01-04 | Vinyl Chloride | | 3 ppm. |

8.2 PROTECTIVE EQUIPMENT**8.2.1 General protective and hygienic measures:**

Appropriate workwear.

Provide adequate general and local exhaust ventilation.

8.2.2 Respiratory protection:

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive dust formation occurs. Seek advice.

8.2.3 Protection of hands:

Protective gloves are recommended.

For prolonged or repeated skin contact use suitable protective gloves.

8.2.4 Eye protection:

Eye protection

Wear protective goggles to prevent any possibility of eye contact especially when cutting.

8.2.5 Skin protection:

Standard industrial protective clothing should be utilised.

8.2.5 Body protection:

Not necessary.

8.2.6 Engineering Measures

Provide adequate general and local exhaust ventilation.

9.0 PHYSICAL AND CHEMICAL PROPERTIES**9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES****9.1.1 Appearance:**

| | | | |
|------------------|---------------------------------|-----------------------|-------|
| APPEARANCE | Solid plastic articles | | |
| COLOUR | White, Grey Terracotta or Black | | |
| ODOUR | Odourless | | |
| SOLUBILITY | Insoluble in water | DECOMPOSITION TEMP °C | > 110 |
| RELATIVE DENSITY | 1.45 approx | FLASH POINT (°C) | > 350 |

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10.0 STABILITY AND REACTIVITY**10.1 REACTIVITY****10.2 CHEMICAL STABILITY**

Stable under normal temperature conditions and recommended use.

10.3 THERMAL DECOMPOSITION/CONDITIONS TO BE AVOIDED

No further relevant information available.

10.4 POSSIBILITY OF HAZARDOUS REACTIONS

No further relevant information available.

10.5 CONDITIONS TO AVOID

Avoid excessive heat for prolonged periods of time.

10.6 INCOMPATIBLE MATERIALS

No further relevant information available.

10.7 HAZARDOUS DECOMPOSITION PRODUCTS

None under normal conditions.

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours, including those listed in section 8.

11.0 TOXICOLOGICAL INFORMATION**11.1 ACUTE TOXICITY****11.2 PRIMARY IRRITANT EFFECT****11.2.1 on the skin:**

No harmful effects expected

11.2.2 on the eye:

Dust formed during cutting may cause irritation.

11.2.3 Sensitization:

Material is practically inert from a physiological point of view.

11.2.4 Inhalation:

Dust formed during cutting may be irritating to the respiratory tract.

11.2.4 Ingestion:

No harmful effects expected.

11.3 ADDITIONAL TOXICOLOGICAL INFORMATION

No further relevant information available.

12.0 ECOLOGICAL INFORMATION**12.1 ECOTOXICITY**

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that inappropriate, large or frequent disposal might have a harmful or damaging effect on the environment.

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13.0 DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS

13.1.1 Recommendations

Disposal of waste materials in accordance with local Waste regulations.

When handling waste, consideration should be made to the safety precautions applying to handling of the product.

Recycle where it is practical to do so.

13.2 UNCLEANNED PACKAGING

13.2.1 Recommendation

Disposal of waste materials in accordance with local Waste regulations.

When handling waste, consideration should be made to the safety precautions applying to handling of the product.

Recycle where it is practical to do so.

14.0 TRANSPORT INFORMATION

14.1 GENERAL

The product is not covered by international regulation on the transport of dangerous goods (IMDG,IATA, ADR/RID).

15 REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS / LEGALISATIONS SPECIFIC FOR THE SUBSTANCE OR MIXTURE

Approved Code Of Practice

Workplace Exposure Limits EH40.

EU Legislation

CLP Regulations to EC 1272/2008

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

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16.0 OTHER INFORMATION

| | |
|------------------------------|------------|
| REVISION DATE | 28/04/2017 |
| REV. NO./REPL. SDS GENERATED | B |
| SAFETY DATA SHEET STATUS | Approved. |
| DATE | 28/04/2017 |
| SIGNATURE | AT |
| SIGNATURE 2 | AR |

INFORMATION FOR DOWNSTREAM USERS ONLY; NAMELY,

Any natural or legal person established within the community, other than the manufacturer or the importer, who uses a substance, either on its own or in a preparation, in the course of his industrial or professional activities. A distributor or a consumer is not a downstream user.

DISCLAIMER

This information relates only to the specific material as supplied and may not be valid for such material if used in combination with any other material(s) or in any other process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. The data should not be construed as guaranteeing specific properties of the product described or its suitability for a particular application, nor does it make any warranty, either express or implied of merchantability for the product itself. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use