



SAFETY DATA SHEET

ABS PIPE AND FITTINGS

1.0 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

ALTERNATIVE PRODUCT NAMES	Acrylonitrile-butadiene-styrene pipe and fittings
PRODUCT NO.	1Exxx, 2Zxxx, 4Zxxx, 5Zxxx,
APPLICATION	Drain, Soil and Waste
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2.0 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

ABS 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).

2.2 Label Elements

Not labelled as Hazardous

2.3 Other Hazards

Fine particles released on cutting may cause irritation to the eyes and respiratory tract.

3.0 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

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

PRODUCT IDENTIFIER	IDENTIFICATION NO	IDENTIFICATION NAME	WEIGHT % OR RANGE	EC NUMBER ¹
CAS Number	9003-56-9	Styrene-acrylonitrile-butadiene copolymer	>99	
Index no in CLP Annex 1	601-026-00-0	Styrene	<1	202-851-5

¹ – this is only required for reference purposes only.

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 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5.0 FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

Suitable Media - Extinguish with foam, carbon dioxide, dry powder or water fog.

Unsuitable Media - 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.

6.0 ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Pellets remaining on the ground may act as a slip hazard.
Ensure adequate ventilation.
Keep away from ignition sources.
Keep unprotected personnel away from the area.
Wear protective equipment if applicable.

6.2 ENVIRONMENTAL PRECAUTIONS

Do not allow to enter drains, sewers or watercourses.
Avoid release to the environment, and avoid any contact with wildlife.

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

8.1.2 Decomposition Products With Occupational Exposure Limits

CAS No.	Name	15min TWA	8hr TWA
7647-01-0	Styrene ;	40 ppm ;	20 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 recommended, for prolonged or repeated skin contact use suitable protective gloves.



Protective gloves recommended

8.2.4 Eye protection:

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



Eye protection

8.2.5 Skin protection:

Standard industrial protective clothing

8.2.5 Body protection:

Not necessary

9.0 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Solid plastic articles		
COLOUR	White, Grey or Black		
ODOUR	Odourless	DECOMPOSITION TEMP °C	> 250
SOLUBILITY	Insoluble in water		
RELATIVE DENSITY	1.0 approx	FLASH POINT (°C)	> 350

10.0 STABILITY AND REACTIVITY

10.1 REACTIVITY

Non-reactive under normal handling and storage conditions.

10.2 CHEMICAL STABILITY

Stable under normal temperature conditions and recommended use.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

No further relevant information available.

10.4 CONDITIONS TO AVOID

Avoid excessive heat for prolonged periods of time.

10.5 INCOMPATIBLE MATERIALS

No further relevant information available.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

None under normal conditions.

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

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.

12.1 Toxicity

Short term aquatic toxicity LC (50) mixture 5.78mg/l

Long term aquatic toxicity (classified as Aquatic Chronic 1) NOEC_{mixture} = 0.0079mg/l

12.2 Persistence and degradability

Product is not readily biodegradable and is likely to persist in the environment.

In Sewage plants it can be separated mechanically.

12.3 Bio accumulative Potential

To avoid bio accumulation of the plastics products should not be disposed in the sea or water environment.

12.4 Mobility in Soil

No data available.

12.5 Results of PBT & vPvB assessment

According to the revised Annex XIII of Regulations (EC) 1907/2006 and (EC) 253/2011: No information available.

12.6 Other adverse effects

Do not allow to enter into the ground water, surface water or drains.

12.7 Additional Information

13.0 DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS

13.1.1 Product and Packaging Disposal

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.

13.1.2 Waste Treatment

Inadequate incineration may generate toxic gases such as CO, HCN, AN and SM.

13.1.3 Sewage Disposal

13.1.4 Other Disposal recommendations

14.0 TRANSPORT INFORMATION

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

14.1 UN Number

Not Applicable

14.2 UN Proper Shipping Name

Not Regulated

14.3 Transport Hazard Classes

Not Applicable

14.4 Packing Group

Not Applicable

14.5 Environmental Hazards

Not considered a hazard based on current data.

14.6 Special precautions for the User

No data available.

15.0 REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION 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.

16 OTHER INFORMATION

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SIGNATURE	JM
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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.

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