# **FloPlast** building the future

# SAFETY DATA SHEET POLYBUTYLENE PIPES

# SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPERATION AND OF THE COMPANY/UNDERTAKING

#### **1.1 PRODUCT IDENTIFIER**

PRODUCT NAME PRODUCT No. POLYBUTENE PIPES FIoPlast FLOFIT SYSTEM (POLYBUTYLENE PIPES)

#### 1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

APPLICATION OF THE SUBSTANCE / PREPERATION

DOMESTIC HOT & COLD WATER SYSTEMS AND CENTRAL HEATING SYSTEMS

# 1.3 DETAILS OF THE SUPPLIER

SUPPLIER FIOPlast LTD CASTLE ROAD EUROLINK BUSINESS PARK SITTINGBOURNE KENT ME10 3FP 01795 431731 technical@floplast.co.uk

EMERGENCY TELE: 01795 431731 (08:00HRS - 17:30HRS)

# SECTION 2: HAZARD IDENTIFICATION

#### **CLASIFICATION OF SUBSTANCES**

Polybutylene pipes 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.

#### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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

POLYBUTENE	
CAS-No.: 9037-04-1	EC No.:
Classification (EC 1272/2008)	Classification (67/548/EEC)
None	None

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

# SECTION 4: 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:	Fine particles from cutting - Promptly wash eyes with plenty of water while lifting the eye lids.
	Continue to rinse for at least 15 minutes.

After ingestion:	Get medical attention if any discomfort continues. 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.

# SECTION 5: FIRE FIGHTING MEASURES

#### **5.1 EXTINGUISHING MEDIA**

Extinguish with water spray/fog, CO2 or foam. 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 of toxic gases and fumes which can be given off from a fire including CO & CO2. 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**

Combustion will cease on flame removal.

SECTION 6: ACCIDENTAL RELEASE MEASURES

# 6.1 PERSONAL PRECUATIONS, PROTECTIVE EQUIPMENT AND EMERGANCY 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.

# SECTION 7: 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 products have been broken.

# 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPTABILITIES

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.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### **8.1 CONTROL PARAMETERS**

# 8.1.1 Occupational Exposure Limits

Name	STD	TWA – 8 Hrs	STEL – 15 Min
Total Inhalable Dust	WEL	10 mg/m₃(Sk)	20 mg/m₃(Sk)
Total Respirable Dust	WEL	4 mg/m₃(Sk)	

# 8.1.2 Decomposition Products With Occupational Exposure Limits

Name	STD	TWA – 8 Hrs		STEL – 15 Min	
Carbon Monoxide	WEL			200ppm	

# **8.2 PROTECTIVE EQUIPMENT**

# 8.2.1 General protective and hygienic measures:

Appropriate workwear

Provide adequate general and local exhaust ventilation, when cutting and wear a suitable dusk mask.

# 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.

# 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

#### 8.2.5 Body protection:

Not necessary

#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

# <u>9.1.1 Appearance:</u> Form:

Form:	Solid plastic articles
Colour:	Grey
Odour:	Odourless
Flash point:	>400°C
Decomposition Temperature:	>275°C
Relative Density:	Approx. 0.94
Solubility:	Insoluble in water

# SECTION 10: STABILITY AND REACTIVITY

# 10.1 REACTIVITY

# **10.2 CHEMICAL STABILITY**

Stable under normal temperature conditions and recommended use

Avoid sources of ignition

# 10.3 THERMAL DECOMPOSITION/CONDITIONS TO BE AVOIDED

Thermal decomposition with evolve toxic vapours of hydrogen chloride, carbon monoxide and carbon dioxide.

# **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 HAZARDDOUS DECOMPOSITION PRODUCTS

None under normal conditions.

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

SECTION 11: 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.

# SECTION 12: ECOLOGICAL INFORMATION

# 12.1 ECOTOXICITY

There is no risk to the environment from the use of this product.

The product is insoluble in water.

The product has no mobility in soil.

There is no evidence for biodegradability in water or soil.

Polybutene is not harmful to aquatic organisms.

# SECTION 13: DISPOSAL CONSIDERATIONS

# 13.1 WASTE TREATMENT METHODS

# 13.1.1 Recommendations

Waste products come within the scope of the Environmental Protection (Duty of Care) Regulations.

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 UNCLEANED 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.

#### **SECTION 14: TRANSPORT INFORMATION**

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

# SECTION 15: REGULATORY INFORMATION

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

# **15.2 LABELLING ACCORDING TO EU REGULATIONS**

The product has been classified as non hazardous to the latest EEC regulations.

#### **15.3 CODE LETTER AND HAZARD DESIGNATION OF PRODUCT**

#### **15.4 RISK PHRASES**

Not classified

#### **15.5 SAFETY PHRASE**

Not classified

# 15.6 EU DIRECTIVES

Not classified

# **15.7 APPROVED CODE OF PRACTICE**

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

#### **15.8 GUIDANCE NOTES**

Workplace Exposure Limits EH40.

# **SECTION 16: OTHER INFORMATION**

The safety data sheet has been complied using current information supplied by the distributors of the raw materials. For further information consult the product data sheet or contact FloPlast's Technical Department.

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Risk Phrases in Full		
NC	Not classified.	

#### 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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