

# Health & Safety

## Datasheets

### Clear Products

#### 1. Identification of the preparations and company

The products consist of a reinforcing net of polyester multifilament laminated to a blown film of LDPE and a coating layer of LDPE. Monarflex standard eyelets are made from LLDPE polyethylene and are included in the Super T Plus products. A reinforcement band made of HDPE is included in the Scaffband and IcoScaff products. The products are delivered in rolls, on a cardboard core and packed in a clear PE foil for protection. Rolls are either stacked on a wooden pallet or cross-stacked.

#### Trade names:

##### Reinforced polyethylene products

- MONARFLEX® Super T Plus
- MONARFLEX® Scaffband
- MONARFLEX® IcoScaff Clear
- MONARFLEX® TRC Clear

#### Manufacturer:

Monarflex sro (part of the Icopal Group)  
Tovarenska 1  
943 03 Šturovo  
Slovakia

#### Distribution:

Icopal Limited  
Barton Dock Road  
Stretford  
Manchester M32 0YL  
England

#### 2. Composition/information on ingredients

The product is composed by polyethylene - CAS No. 9002-88-4. reinforced with PET polyester yarn – CAS No. 25038-59-9.

It contains no substances classified as hazardous, in concentrations which should be taken into account according to EC directives.

#### 3. Hazard identification

Non hazardous.

#### 4. First aid measures

##### General information:

No special measures required.

##### After inhalation:

In case of exposure to fumes released from heated material, remove person to fresh air and summon medical attention.

<b>After skin contact:</b>	Harmless under normal conditions. Under combustion hot drips may drip and burn the skin. Flush skin with cold water and summon medical attention.
<b>After eye contact:</b>	No effect.
<b>After ingestion:</b>	Unlikely.

#### **5. Fire-fighting measures**

**Suitable extinguishing media:** Water, foam or dry chemicals.

#### **6. Accidental release measures**

None.

#### **7. Handling and storage**

No special precautions regarding handling. Store rolls in a non-heated and dry location and keep out of direct sunlight.

#### **8. Exposure controls/personal protection**

None.

#### **9. Physical and chemical properties**

This product does not contain any volatile solvents and therefore there is no associated flashpoint. Combustion of this product will produce carbon dioxide, water and soot. Ignition temperature > 300°C.

#### **10. Stability and reactivity**

The product is chemically stable and shows very low reactivity at ambient temperatures.

#### **11. Toxicological information**

All component materials are essentially non-volatile and of low toxicity. The major components can be regarded as harmless under normal circumstances.

#### **12. Ecological information**

The product may be recycled as a mixed thermoplastic. All fixings should be moved prior to recycling. Please note that recycling of the polyester net is problematic due to a high melting temperature since the polyester fibre fraction is difficult to melt properly during recycling.

#### **13. Disposal considerations**

Can be incinerated as ordinary waste, disposed off as landfill waste or be regenerated for recycling purposes. Regulations may vary in different countries and regions.

#### **14. Transport information**

Not classified as hazardous for transport purposes.

#### **15. Regulatory information**

None.

#### **16. Other information**

Not approved for food contact.

# Health & Safety

## Datasheets

### Flame Retardant Products

#### 1. Identification of the preparations and company

The products consist of a reinforcing net of either polyester multifilament or polypropylene (only the Stripe Firesmart is designed with polypropylene reinforcing net) laminated to a blown film of LDPE and a coating layer of LDPE with flame retardant additives. Monarflex standard eyelets are made from LLDPE polyethylene. The two products Stripe Firesmart and Scaffband FR are designed with reinforcement bands made of HDPE. The products are delivered in rolls, on a cardboard core and packed in a clear PE foil for protection. Rolls are either stacked on a wooden pallet or cross-stacked.

#### Trade names:

##### Flame retardant reinforced polyethylene products

- MONARFLEX® Stripe Firesmart
- MONARFLEX® Super T Plus FireSmart
- MONARFLEX® Scaffband Flamesafe
- MONARFLEX® IcoScaff FR

#### Manufacturer:

Monarflex sro (part of the Icopal Group)  
Tovarenska 1  
943 03 Šturovo  
Slovakia

#### Distribution:

Icopal Limited  
Barton Dock Road  
Stretford  
Manchester M32 0YL  
England

#### 2. Composition/information on ingredients

The product is composed by polyethylene - CAS No. 9002-88-4 - reinforced with PET polyester yarn – CAS No. 25038-59-9 or PP polypropylene tapes CAS No. 9003-07-0 and an organic bromine compound and antimony trioxide – CAS No. 130964-4.

Concentration of antimony is less than 4%. It contains no substances classified as hazardous, in concentrations which should be taken into account according to EC directives.

#### 3. Hazard identification

Non hazardous.

#### 4. First aid measures

<b>General information:</b>	No special measures required.
<b>After inhalation:</b>	In case of exposure to fumes released from heated material, remove person to fresh air and seek medical attention.
<b>After skin contact:</b>	Harmless under normal conditions. Under combustion hot drips may drip and burn the skin. Flush skin with cold water and summon medical attention.
<b>After eye contact:</b>	No effect.
<b>After ingestion:</b>	Unlikely.

#### 5. Fire-fighting measures

**Suitable extinguishing media:** Water, foam or dry chemicals.

#### 6. Accidental release measures

None.

#### 7. Handling and storage

No special precautions regarding handling. Store rolls in a non-heated and dry location and keep out of direct sunlight

#### 8. Exposure controls/personal protection

None.

#### 9. Physical and chemical properties

This product does not contain any volatile solvents and therefore there is no associated flashpoint. Combustion of this product will produce carbon dioxide, water and soot. Ignition temperature > 300°C. At temperatures above 300°C, organic compounds like carbon monoxide, hydrocarbons, aldehydes and ketones are released. At temperatures above 400°C, hydrogen bromide and antimony oxybromides are released.

#### 10. Stability and reactivity

The product is chemically stable and shows very low reactivity at ambient temperatures.

#### 11. Toxicological information

All component materials are essentially non-volatile and of low toxicity. The major components can be regarded as essentially harmless under normal circumstances. Heating above 320°C and combustion leads to formation of volatile antimony bromide, antimony oxybromine and hydrogen bromide. These compounds are toxic and corrosive.

#### 12. Ecological information

Due to the chemical nature of the ingredients, the product is not ecotoxic and not readily biodegradable. Please note that unintended use of disposal (see section 16) may release harmful compounds to the environment.

#### 13. Disposal considerations

Can be disposed off as landfill waste. Incineration of a flame retardant sheeting should only be done under carefully controlled conditions with cleaning of the smoke gas – preferably by acid neutralisation – and controlled disposal of the (toxic) gas cleaning residues. Regulations may vary in different countries.

**14. Transport information**

Not classified as hazardous for transport purposes.

**15. Regulatory information**

None.

**16. Other information**

The flame retardant additives in the product are carefully selected for low migration and high purity. However, prolonged exposure to certain chemicals – which is an unintended use of the product – may lead to extraction of some of the additives. This Safety Data Sheet does not disengage the user of his duty to know and apply any law and regulation that may be relevant.

# Health & Safety

## Datasheets

### Kederflex Clear

#### 1. Identification of the preparations and company

The products consist of a reinforcing net of polyester multifilament and is laminated to a blown film of LDPE and a coating layer of LDPE with flame retardant additives. This is then welded to a HDPE wrapped PVC cord. The Monarflex standard eyelets are made from LLDPE polyethylene. The products are delivered in packs and wrapped in a clear PE foil for protection. Packs are stacked on a wooden pallet cage.

#### Trade names:

#### Flame retardant reinforced polyethylene products

- MONARFLEX® Kederflex Clear

#### Manufacturer:

Monarflex sro (part of the Icopal Group)  
Tovarenska 1  
943 03 Šturovo  
Slovakia

#### Distribution:

Icopal Limited  
Barton Dock Road  
Stretford  
Manchester M32 OYL  
England

#### 2. Composition/information on ingredients

The product is composed by polyethylene - CAS No. 9002-88-4 - reinforced with PET polyester yarn – CAS No. 25038-59-9. Furthermore a high density polyethylene fabric with CAS No. 9002-88-4 that are wrapped around a PVC cord with CAS No. 9002-86-2. It contains no substances classified as hazardous, in concentrations which should be taken into account according to EC directives.

#### 3. Hazard identification

Non hazardous.

#### 4. First aid measures

##### General information:

No special measures required.

##### After inhalation:

In case of exposure to fumes released from heated material, remove person to fresh air and seek medical attention.

##### After skin contact:

Harmless under normal conditions. Under combustion hot drips may drip and burn the skin. Flush skin with cold water and summon medical attention.

##### After eye contact:

No effect.

##### After ingestion:

Unlikely.

**5. Fire-fighting measures**

**Suitable extinguishing media:** Water, foam or dry chemicals.

**6. Accidental release measures**

None.

**7. Handling and storage**

No special precautions regarding handling. Store rolls in a non-heated and dry location and keep out of direct sunlight.

**8. Exposure controls/personal protection**

None.

**9. Physical and chemical properties**

This product does not contain any volatile solvents and therefore there is no associated flashpoint. Combustion of this product will produce carbon dioxide, water and soot. Ignition temperature > 300°C. At temperatures above 300°C, organic compounds like carbon monoxide, hydrocarbons, aldehydes and ketones are released.

**10. Stability and reactivity**

The product is chemically stable and shows very low reactivity at ambient temperatures.

**11. Toxicological information**

All component material are essentially non-volatile and of low toxicity. The major components can be regarded as essentially harmless under normal circumstances.

**12. Ecological information**

Due to the chemical nature of the ingredients, the product is not ecotoxic and not readily biodegradable.

**13. Disposal considerations**

Can be disposed off as landfill waste. Incineration of a flame retardant sheeting should only be done under carefully controlled conditions with cleaning of the smoke gas – preferably by acid neutralisation – and controlled disposal of the (toxic) gas cleaning residues. Regulations may vary in different countries.

**14. Transport information**

Not classified as hazardous for transport purposes .

**15. Regulatory information**

None.

**16. Other information**

None.

# Health & Safety

## Datasheets

### Kederflex HFFR

#### 1. Identification of the preparations and company

The products consist of a reinforcing net of polyester multifilament and is laminated to a blown film of LDPE with flame retardant additives and a coating layer of LDPE with flame retardant additives. This is then welded to a HDPE wrapped PVC cord. The Monarflex standard eyelets are made from LLDPE polyethylene. The products are delivered in packs and wrapped in a clear PE foil for protection. Packs are stacked on a wooden pallet cage.

#### Trade names:

#### Flame retardant reinforced polyethylene products

- MONARFLEX® Kederflex HFFR

#### Manufacturer:

Monarflex sro  
Tovarenska 1  
943 03 Šturovo  
Slovakia

#### Distribution:

Icopal Limited  
Barton Dock Road  
Stretford  
Manchester M32 0YL  
England

#### 2. Composition/information on ingredients

The product is composed by polyethylene - CAS No. 9002-88-4 - reinforced with PET polyester yarn – CAS No. 25038-59-9 and organophosphorus compound. Furthermore a high density polyethylene fabric with CAS No. 9002-88-4 that are wrapped around a PVC cord with CAS No. 9002-86-2. It contains no substances classified as hazardous, in concentrations which should be taken into account according to EC directives.

#### 3. Hazard identification

Non hazardous.

#### 4. First aid measures

##### General information:

No special measures required.

##### After inhalation:

In case of exposure to fumes released from heated material, remove person to fresh air and seek medical attention.

##### After skin contact:

Harmless under normal conditions. Under combustion hot drips may drip and burn the skin. Flush skin with cold water and summon medical attention.

##### After eye contact:

No effect.

##### After ingestion:

Unlikely.



**5. Fire-fighting measures**

**Suitable extinguishing media:** Water, foam or dry chemicals.

**6. Accidental release measures**

None.

**7. Handling and storage**

No special precautions regarding handling. Store rolls in a non-heated and dry location and keep out of direct sunlight.

**8. Exposure controls/personal protection**

None.

**9. Physical and chemical properties**

This product does not contain any volatile solvents and therefore there is no associated flashpoint. Combustion of this product will produce carbon dioxide, water and soot. Decomposition temperature > 250°C. At temperatures above 250°C, organic compounds like carbon monoxide, hydrocarbons, aldehydes and ketones are released.

**10. Stability and reactivity**

The product is chemically stable and shows very low reactivity at ambient temperatures.

**11. Toxicological information**

All component material are essentially non-volatile and of low toxicity. The major components can be regarded as essentially harmless under normal circumstances. Heating above 300°C and combustion can lead to formation of irritating gases and vapours.

**12. Ecological information**

Due to the chemical nature of the ingredients, the product is not ecotoxic and not readily biodegradable. Please note that unintended use of disposal (see section 16) may release harmful compounds to the environment.

**13. Disposal considerations**

Can be disposed off as landfill waste. Incineration of a flame retardant sheeting should only be done under carefully controlled conditions with cleaning of the smoke gas – preferably by acid neutralisation – and controlled disposal of the (toxic) gas cleaning residues. Regulations may vary in different countries.

**14. Transport information**

Not classified as hazardous for transport purposes.

**15. Regulatory information**

None.

**16. Other information**

The flame retardant additives in the product are carefully selected for low migration and high purity. However, prolonged exposure to certain chemicals – which is an unintended use of the product – may lead to extraction of some of the additives. This Safety Data Sheet does not disengage the user of his duty to know and apply any law and regulation that may be relevant.

# Health & Safety

## Datasheets

### Acoustic Sheeting Products

#### 1. Identification of the preparations and company

The products consist of a reinforcing net of polyester multifilament and is laminated to a blown film of LDPE and a coating layer of LDPE with flame retardant additives. This layer is then glued with an acrylic based PSA to a flame retardant polyethylene foam. The Monarflex standard eyelets are made from LLDPE polyethylene. The products are delivered in rolls, on a cardboard core and packed in a clear PE foil for protection. Rolls are stacked on a wooden pallet.

#### Trade names:

##### Flame retardant reinforced polyethylene products

- MONARFLEX® MonarSound Scaffold
- MONARFLEX® MonarSound Fence

#### Manufacturer:

Monarflex sro (part of the Icopal Group)  
Tovarenska 1  
943 03 Šturovo  
Slovakia

#### Distribution:

Icopal Limited  
Barton Dock Road  
Stretford  
Manchester M32 0YL  
England

#### 2. Composition/information on ingredients

The product is composed by polyethylene - CAS No. 9002-88-4 - reinforced with PET polyester yarn - CAS No. 25038-59-9 and an organic bromine compound and antimony trioxide - CAS No. 130964-4. Furthermore an adhesive glue with CAS No. 9002-88-4 and a polyethylene foam with CAS No. 9063-87-0. Concentration of antimony is less than 4%. It contains no substances classified as hazardous, in concentrations which should be taken into account according to EC directives.

#### 3. Hazard identification

Non hazardous.

#### 4. First aid measures

##### General information:

No special measures required.

##### After inhalation:

In case of exposure to fumes released from heated material, remove person to fresh air and seek medical attention.

##### After skin contact:

Harmless under normal conditions. Under combustion hot drips may drip and burn the skin. Flush skin with cold water and summon medical attention.

**After eye contact:** No effect.

**After ingestion:** Unlikely.

#### **5. Fire-fighting measures**

**Suitable extinguishing media:** Water, foam or dry chemicals.

#### **6. Accidental release measures**

None.

#### **7. Handling and storage**

No special precautions regarding handling. Store rolls in a non-heated and dry location and keep out of direct sunlight.

#### **8. Exposure controls/personal protection**

None.

#### **9. Physical and chemical properties**

This product does not contain any volatile solvents and therefore there is no associated flashpoint. Combustion of this product will produce carbon dioxide, water and soot. Ignition temperature > 300°C. At temperatures above 300°C, organic compounds like carbon monoxide, hydrocarbons, aldehydes and ketones are released. At temperatures above 400°C, hydrogen bromide and antimony oxybromides are released.

#### **10. Stability and reactivity**

The product is chemically stable and shows very low reactivity at ambient temperatures.

#### **11. Toxicological information**

All component material are essentially non-volatile and of low toxicity. The major components can be regarded as essentially harmless under normal circumstances. Heating above 320°C and combustion leads to formation of volatile antimony bromide, antimony oxybromine and hydrogen bromide. These compounds are toxic and corrosive.

#### **12. Ecological information**

Due to the chemical nature of the ingredients, the product is not ecotoxic and not readily biodegradable. Please note that unintended use of disposal (see section 16) may release harmful compounds to the environment.

#### **13. Disposal considerations**

Can be disposed off as landfill waste. Incineration of a flame retardant sheeting should only be done under carefully controlled conditions with cleaning of the smoke gas – preferably by acid neutralisation – and controlled disposal of the (toxic) gas cleaning residues. Regulations may vary in different countries.

#### **14. Transport information**

Not classified as hazardous for transport purposes.

#### **15. Regulatory information**

None.

#### **16. Other information**

The flame retardant additives in the product are carefully selected for low migration and high purity. However, prolonged exposure to certain chemicals – which is an unintended use of the product – may lead to extraction of some of the additives. This Safety Data Sheet does not disengage the user of his duty to know and apply any law and regulation that may be relevant.