



## 3D-PIR MATERIAL SAFETY DATA SHEET

### 3D PIR Issue 02/23

REACH Regulations do not require a Safety Data Sheet for this material as it not classified as hazardous. This SDS has been prepared to reflect the set out in these regulations in order to inform users.

#### 1 Identification of Substance, Mixture & Company

##### 1.1 Product Identification

3D PIR

##### 1.2 Uses of Substance

Thermal Insulation

##### 1.3 Details of Supplier

3D Insulation Ltd  
22-22a Moss Lane Industrial Estate  
Royton , Oldham OL2 6HR  
Telephone - 01706 299847  
email - 3d.insulation@btconnect.com

##### 1.4 Emergency telephone

07835 602476

#### 2 Hazards Identification

2.1 Substance is classified as non-hazardous when used as intended. Product is non-toxic and not classed as Ecotoxic.

2.2 Label Elements  
Not applicable

##### 2.3 Other Hazards Identification

Dust is created during cutting and machining. This may cause irritation if inhaled or through skin and eye contact. Eye and respiratory protection would be recommended for machining and exposure limits to be monitored. This would not normally be required handling finished product.

#### 3 Composition

##### 3.1 Substance Information

Not applicable

##### 3.2 Mixtures

3D PIR is a polyisocyanurate polymer. The finished product may be supplied with a variety of foil laminate finishes.



#### 4 **First Aid Measures**

##### 4.1 Description of First Aid Measures

Inhalation	Remove to fresh air
Skin	Wash with soap & water
Eyes	Flush dust with clean water
Ingestion	Drink clean water
Other	Seek medical attention for continuing discomfort

##### 4.2 Most Important Symptoms

No further info

##### 4.3 Indication of Medical Treatment

Treat as symptoms demand

#### 5 **Fire Fighting Measures**

Although substance PIR foam does not pose a high fire risk, precautions should be taken to prevent ignition.

##### 5.1 Extinguishing Media

Water, foam or dry powder

##### 5.2 Special Hazards

None identified

##### 5.3 Advice to fire-fighters

Self contained breathing apparatus as smoke can be toxic. Dust is classed as weakly explosive

#### 6 **Accidental Release Measures**

##### 6.1 PPE and Emergency Procedures

Not applicable

##### 6.2 Environmental Precautions

Not applicable

##### 6.3 Method for Containment and Clean Up

Not applicable

#### 7 **Handling and Storage**

##### 7.1 Precautions for Safe Handling

In areas of machining, dust and waste should be kept to a minimum.

##### 7.2 Conditions for Safe Storage

Store away from ignition and radiant heat sources. Boxes should be stacked to a maximum height of 3m. Product should be protected from weather conditions.

##### 7.3 Specific End Uses

Insulation of pipes and equipment.





## 8 Exposure Controls & PPE

### 8.1 Control Parameters

Inhalation	Dust is classed as non-hazardous. Any cutting machinery should have Local Exhaust Ventilation. Where dust is generated through cutting and handling use of disposable masks FFP 2 or better would be recommended.
Hands	It is recommended that gloves be worn for continuous handling. Foil covered products can have sharp edges, requiring gloves offering this sort of protection.
Eyes	Eye protection such as goggles may be required if dust is present.
Skin	Substance does not sensitise skin.

## 9 Physical and Chemical Properties

### 9.1 Information on Basic Properties

Appearance	Yellow rigid foam
Physical state	Solid
Odour	Negligible
Melting Point	Not applicable
Flash Point	Not applicable
Ph	Neutral
Density	35 - 120kg/m <sup>3</sup>
Solubility in Water	Insoluble

### 9.2 Other Information

Finished product with foil finish will appear shiny or matt silver.

## 10 Stability & Reactivity

Product is stable and non-reactive.  
Some aggressive solvents can attack the foam.

## 11 Toxicological Information

No known toxic affects have been identified.

## 12 Ecological Information

Substance is stable in water and earth.



**13 Disposal Considerations**

Waste product is not hazardous and can be disposed of through Landfill or Waste to Energy processes.  
Waste product and dust should be bagged to prevent nuisance dispersal during waste transportation.

**14 Transportation Information**

As product is light and fairly fragile, precautions should be taken to prevent in transit damage.  
Any palletised shipments to be FLT offloaded. Any on-board banding or securing should be done with care to prevent damage to the product.

<u>UN Number</u>	Not applicable	<u>Packaging Group</u>	Not applicable
<u>UN Proper Shipping Name</u>	Not applicable	<u>Environmental</u>	Not applicable
<u>Transport Hazard Class</u>	Not applicable	<u>Special Precautions</u>	Not applicable

**15 Regulatory Information**

3D PIR has no hazardous classification and does not come under any EU hazard Regulation.  
There are no special labelling , symbols or risk phrases that are applicable.  
3D PIR poses no hazardous threat to the environment.

**16 Other Information**

Document issue 02  
Date 07/2023