



## SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### Company information

Temati B.V.  
P.O. Box 1005  
1940 EA Beverwijk  
The Netherlands  
Phone: +31 - (0)251 - 22 91 72

### Product information

Brand Name : PIR/ PUR, polyurethane and polyisocyanurate rigid foam  
For further information : Contact our product safety department

## SECTION 2: COMPOSITION/ INFORMATION ON INGREDIENTS

Composition : Polyurethane polymer  
Appearance : Cellular foam  
Hazardous components : Pentane < 4,8% - CAS (109-66-0) – R12

## SECTION 3: HAZARDS IDENTIFICATION

Hazards to the health of man : Mechanical irritation of the lungs, the skin and the eyes.  
Hazards to safety : Fire hazard, especially by dust development. Risk of static discharges.  
Hazards to the environment : No ecotoxicity.

## SECTION 4: FIRST AID MEASURES

After inhalation : Ensure supply of fresh air. Seek medical attention if you feel unwell.  
After skin contact : In case of contact with skin wash off with soap and water.  
After eye contact : Flush with water during at least 15 minutes. If irritation persists, seek medical attention.  
After ingestion : Not applicable.

## SECTION 5: FIRE-FIGHTING MEASURES

Fire hazard : The product is combustible and causes, when burning intense heat and dense smoke. When heated, the product can generate combustible gases. In a fire, decomposition products like carbon black, carbon dioxide, carbon monoxide, gaseous hydrocarbons and nitrogen containing products, including cyanides, can be generated.  
Suitable extinguishing media : Water, foam, carbon dioxide, dry chemical.  
Protective equipment : During fire-extinguishing self contained breathing apparatus is necessary.

Statements like “is flame retardant” or “contains flame retardants” are sometimes used to describe the flammability behaviour in small scale tests, but they do not reflect hazards under real fire conditions.



## SECTION 6: ACCIDENTAL RELEASE MEASURES

- Personal precautions : Wear a dust mask P2 during large dust development.
- Environmental precautions : Avoid the spreading of the dust in the environment.  
Get waste removed by a recognized waste collector.
- Methods for cleaning up/taking up: Clean up with water.

## SECTION 7: HANDLING AND STORAGE

- Handling : No special measures necessary if used correctly. For handling aluminium foil faced boards it's recommended to use protective gloves to avoid cutting wounds. In operations like milling and sawing, static electricity can occur and foam dust will originate. Local exhaust should be provided.
- Storage : The storage needs to take place in a sprinklered environment. Store far away from heat sources (matches, cigarettes, heating, lighting, burners ...), combustible liquids and other fire risks. The products colour superficial during exposure to UV-light.
- Storage temperature : Store at a temperature of maximum 100°C.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

- Technical precautions : During milling or sawing, provide dust suctioning.
- Hygiene measures : Wash hands with soap and water before breaks and after work.
- Respiratory protection : Wear a dust mask in case of large dust development.
- Hand protection : Wear gloves while handling foam with a density > 100 kg/m<sup>3</sup> and with foam covered with foil.
- Eye protection : Wear goggles.
- Skin and body protection : Cover the skin with protective clothing.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : Solid/closed cellular foam
- Colour : Various
- Odour : Odourless
- Electric conductivity : Not conductive
- Density : 30-320 kg/m<sup>3</sup>
- UEL dust : 70 g/m<sup>3</sup>
- Pmax : 7,2 bar
- D p/d t : 181 bar/s
- Kst : 49 bar m/s
- Ignition energy : < 1 joule
- Glow temperature : > 300°C
- Auto-ignition temperature : > 300°C
- Water solubility : Insoluble
- Weakens in contact with acetone.



## SECTION 10: STABILITY AND REACTIVITY

Stability	: Chemically and physically inert.
Conditions to avoid	: Temperatures > 300°C.
Materials to avoid	: None.
Hazardous reactions	: No hazardous reactions with proper storage and handling.
Hazardous decomp. products	: All decomposition products which can be expected at a normal fire and soot, carbon dioxide, carbon monoxide, halogenated hydrocarbons and nitrogen containing products, including cyanides.

## SECTION 11: TOXICOLOGICAL INFORMATION

Acute oral toxicity	: LD50 (oral-rats) > 5000 mg/kg
Irritation – eyes	: Dust particles can cause mechanical irritation.
Irritation – skin	: Chronical exposure can cause allergy.
Irritation of the respiratory organs	: Avoid exposure to concentrations > 5 mg/m <sup>3</sup> breathable dust.
Carcinogenic characteristics	: None.

## SECTION 12: ECOLOGICAL INFORMATION

Persistence/ degradability	: Chemically inert / not biodegradable
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## SECTION 13: DISPOSAL CONSIDERATIONS

Waste disposal	: Remove waste by a recognized collector. Local legislation has to be considered.
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## SECTION 14: TRANSPORT INFORMATION

UN-Number	: Not classified
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## SECTION 15: REGULATORY INFORMATION

### Characteristics according to EU-regulations

EU Classification	: Not subjected by the EEC-labelling
EU Symbols	: None
EU R phrases	: None
EU S phrases	: None

## SECTION 16: OTHER INFORMATION

The local legislation must be followed. In case information about recycling is needed, Temati B.V. can be contacted. This product has to be preserved, treated and used with normal industrial hygiene and in accordance with every legal determination. The data given here are based on current knowledge and experience. The purpose of this safety data sheet is to describe the products in terms of their safety requirements. The data do not signify any warranty with regard to the properties of the products. This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products or their suitability for a particular application. Temati B.V. takes no responsibility whatsoever for risks coming from variations in, or unknown effects of the qualities of feedstock stuff (alone or in combination) and for other applications of the product than what's prescribed.