

## Parafoam Ultra Insulation

Product Ref: (DsC1-Feb09)  
Issue No: 01

## 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

**Productname:** Rigid polyurethane and polyisocyanurate foam according to the EN 13165 product standard.

## 2. COMPOSITION OF THE PRODUCT

Polyurethane or polyisocyanurate foam, created from a reaction of a polyisocyanate and a polyol by means of a blowing agent with or without facing.

**Dangerous substances:** None.

**Note:** The finished product does not contain free isocyanates.

## 3. HAZARDS IDENTIFICATION

Safety hazards for both man and environment:

**In case of normal use:** None

**In case of a fire:** The product causes an intense heat and dense smoke (see point 5). It is recommended that the smoke is not inhaled. No pollution has been detected when the fire extinguishing water was drained into the sewer system (Ref. APAVE study in the authorisation file).

## 4. SAFETY MEASURES IN CASE OF AN EMERGENCY

In case of inhalation of large amounts of dust during the production process Bring the victim in the open air when he has difficulty breathing. If the symptoms persist, consult a doctor.

In case of ingestion of the dust Drink large amounts of water and rinse the mouth thoroughly.

In case of contact with the eyes Rinse the eye thoroughly with clean water for approximately 10 min; If the symptoms persist, consult a doctor

In case of cuts Clean and disinfect the wound.  
If necessary, apply a bandage and consult a doctor.

## 5. FIREFIGHTING METHODS

**Advised extinguishing media:** Water, dry powder.

**In case of a fire:** Decomposition products like soot, carbon monoxide, carbon dioxide, gaseous hydrocarbons and products containing nitrogen may be generated. (Note: HCN, being flammable, is often immediately destroyed at its formation).

**Advice for Firefighters:** To wear self-contained breathing apparatus.

## 6. SAFETY MEASURES IN CASE OF ACCIDENTAL SPREADING OF THE PRODUCT

**None:** The product is solid, compact and not dangerous.

## Parafoam Ultra Insulation

Product Ref: (DsC1-Feb09)  
Issue No: 01

### 7. SAFETY PRECAUTION FOR HANDLING AND STORAGE

#### Handling:

For handling aluminium faced boards, it is recommended to use protective gloves to avoid cuts. Do not expose the product to fire or any heat source for a long period of time. In case of intense production activity, large amounts of dust may be created. It is advised to install proper local ventilation. Dust bags must be stored at a convenient and accessible place.

#### Storage:

Store away from heat sources (electrical heater, cigarettes...), on a dry and level surface. Avoid storing the product in the same room as flammable materials. A proper ventilation installation must be foreseen in the storage room. Packing materials: plastic film, wood and/or cuts of the product.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### General Measures:

Avoid contact or keep away from any heat source (smoking ban).  
In case of intense production activity it is advised that a proper dust exhaust system be installed.

#### Personal Protective Equipment:

Protection of the respiratory system  
(in case of intense production and without an exhaust system): It is advised to wear a mask.

Eye protection: It is advised to wear safety glasses (in case of production), or sunglasses (in case of installing aluminium faced products in sunny weather).

Hand protection: It is advised to wear protective gloves (in case of production and/or handling aluminium faced products).

### 9. PHYSICAL AND CHEMICAL CHARACTERISTICS

|                            |                                                                             |
|----------------------------|-----------------------------------------------------------------------------|
| Aspect:                    | Solid                                                                       |
| Colour:                    | Cream (or other if coloured)                                                |
| Facings:                   | Different colours are possible                                              |
| Smell:                     | None                                                                        |
| Core density:              | 30 to 40 kg/m <sup>3</sup> (at 20 °C and depending on the thickness)        |
| Auto ignition temperature: | Group 1: > 300 °C Group 2: > 500 °C                                         |
| Risk of explosion:         | Not applicable (except for dust particles floating in the air, see point 8) |

### 10. STABILITY AND REACTIVITY

The product is stable in normal application conditions.

Conditions that must be avoided: Long term contact or proximity of a heat source.

Materials that must be avoided: None in case the product is handled according to technical documentation and agréments of the product.

Dangerous decomposition products: None

## Parafoam Ultra Insulation

Product Ref: (DsC1-Feb09)  
Issue No: 01

### 11. TOXICOLOGICAL INFORMATION

The product is not toxic according to the current legislation.

Inhalation: No known toxic risk.

Ingestion: No known toxic risk.

Contact with the skin: No known toxic risk.

Contact with the eyes: No known toxic risk.

### 12. ECOTOXIC INFORMATION

Manoeuvrability of the product: The product floats, given the fact that its density is lower than that of water.

Degradability: The product is not biologically degradable and is insoluble (it does not disintegrate in contact with water).

Bioaccumulation potential: The product is not toxic and is stable. There is no release of organic substances (Ref: APAVE Impact study).

Harmful for the environment: The used blowing agents are conform the current regulations concerning ozone depletion.

### 13. DISPOSAL CONSIDERATIONS

The product is considered as normal waste. It can be destroyed on a registered and controlled waste dump. The plastic films and the wood used as packaging can be handles by registered sorting centres.

### 14. TRANSPORT INFORMATION

The product is not dangerous according to current transport legislation.

### 15. REGULATORY INFORMATION

The product is not subject to legislation concerning labelling of dangerous material. Its storage can be subject to the regulations concerning the installations for the protection of the environment (ICPE, article 2663).

### 16. OTHER INFORMATION

This data sheet adds to the existing technical information but does not replace it.

The information given in this data sheet is based on our knowledge of the product at that time. It is given in good faith and refers only to those products named in this document. The information is no longer valid in case the product is combined with other materials and does not refer to the production process.

We would like to draw the user's attention to the possible risks connected to the application of the product for purposes other than those it was conceived for.

This data sheet does not release the user from knowing and applying current regulation. He is responsible for taking the necessary precautions typical for the product's use.

## Parafoam Ultra Insulation

Product Ref: (DsC1-Feb09)  
Issue No: 01**17. LEGAL DISCLAIMER**

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product. The information contained in this data sheet does not constitute an assessment of workplace risk as required by current legislation. Whilst every care is taken to see that the information is correct and up to date, it is not intended to form part of any contract or give rise to any collateral liability, which is hereby specifically excluded.

For further information, contact Technical Services at Daventry, Northants. Telephone (01327) 704778.

This document is only a guide.

Langley Waterproofing Systems Ltd reserves the right to change the composition and fixing recommendations of products as a result of the evolution of knowledge and technology.