

Polyurethane foams are not considered to be hazardous products nor as mixtures of dangerous substances. They are identified as industrial polymers. According to EU Regulation 1907/2006EC (REACH) Polyurethane foams are defined as “articles”.

1. Identification of the product and the company

1.1. Identification of the product

Product name: rigid polyurethane and polyisocyanurate foam according to the EN 13165 product standard.

Commercial names:

FIX-R

FIX-R TORCH ON INSULATION BOARD
FIX-R MECHANICALLY FIXED INSULATION BOARD
FIX-R FULLY BONDED INSULATION BOARD

TIL-R

TIL-R PITCHED ROOF INSULATION BOARD

1.2. Identification of the producer

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Company: RECTICEL
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Company: RECTICEL
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18000 Bourges, France
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Company: RECTICEL
Address: Gneissitie 2
FI - 04600 Mäntsälä, Finland
Telephone: +358 40 570 6416

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. Identification of the hazards

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. Fire Extinguishing 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).

Firefighters are advised 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.

7. Safety Precautions for handling and storage

7.1. Handling

General

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.

Production

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.

Warehouse

Drivers of fork-lift trucks must have the right skills (driving the fork-lift truck, transporting/stacking pallets, ...)

During (un)loading the finished products, the pallets must be checked for damage and stability before stacking (see 7.2 Storage).

7.2. Storage

General

Store away from heat sources (electrical heater, cigarettes, ...), on a dry and level surface.

Packing materials: plastic film, wood and/or cuts of the product.

Warehouse

Do not stack damaged packs/pallets

We advise stacking the packs/pallets max. 3 m high and avoiding pedestrian traffic in the warehouse.

Avoid storing the product in the same room as flammable materials.

A proper ventilation installation must be foreseen in the storage room.

8. Control Procedures in case of exposure **Characteristics of the personal protective equipment**

8.1. 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.

8.2. Personal Protective Equipment

Protection of the respiratorial 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. Physico-chemical characteristics

- ◆ Aspect: solid
- ◆ Colour: cream (or other if coloured)
facings in different colours are possible
- ◆ Smell: none
- ◆ Core density: 30 to 40 kg/m³ (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 responsive ability of the product

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.
When in doubt, please contact RECTICEL first.
- ◆ Dangerous decomposition products: None

11. Toxicological Data

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 Data

- ◆ 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. Waste processing

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

The product is not dangerous according to current transport legislation.

15. Regulation Information

No labelling is currently required for this material by existing EU Regulation on Classification, Packaging and labelling of substances and mixtures (1272/2008/EC)

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.