



INFORMATION ON SAFETY AND USE OF EPS

1. Product identification

1.1. Product name Factory-made polystyrene foam (EPS) products – expanded polystyrene (EPS) products (blocks, boards, shapes).

1.2. EPS type and trade name

EPS S: Gamma Fasada, Beta Fasada, Alfa Fasada, Gamma Passive Fasada, Beta Passive Fasada, Alfa Passive Fasada,

EPS 70 Alfa Premium Facade, EPS 60 Gamma Floor, EPS 70 Beta Floor, EPS 80 Alfa Floor, EPS 100 Alfa Premium Floor, EPS 150, EPS 200, EPS 60 Passive Floor, EPS 100 Passive Premium Floor,

EPS-P 100 Aqua, EPS-P 150 Aqua, EPS-P 200 Aqua, EPS-P 80 Aqua Passive, EPS-P 100 Aqua Passive, EPS-P 80 Plinth Passive,

EPS T Acoustic,

TWIN Standard EPS 100/036 PP, TWIN Standard EPS 80/038 PP, TWIN Acoustic EPS T/045 PP.

1.3. Intended uses

Thermal insulation in construction.

1.4. Producer

Yetico SA

Towarowa 17A

10-416 Olsztyn

2. Threat identification

The product does not pose any health and safety hazards, provided it is used for its intended purpose as thermal insulation in construction, as specified on the attached label and in the declaration of performance and technical data sheet available on the manufacturer's website. www.yetico.com"

The product is non-irritating, non-toxic and chemically inert.

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3. Composition / information about ingredients

Polystyrene CAS number: 9003-53-6 Polymeric flame retardant (HBCD-free)
Pentane (mixture of isomers) CAS number: 109-66-0, 78-78-4

Does not contain substances listed in Annex XIV to Regulation (EC) No 1907/2006 (REACH) of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals, classified as SVHC (Substances of Very High Concern) in quantities of < 0.1%.

The product does not contain substances listed in EU Regulation 1005/2009 on substances that deplete the ozone layer (on substances that deplete the ozone layer).

For the production of polystyrene products, raw materials based on expandable polystyrene are used with the addition of a blowing agent (pentane), which evaporates from the product shortly after the production process is completed.

This product is well-known for its use in food packaging, among other applications. During foaming, closed cells are formed, filled with up to 98% air by volume, with a thermal conductivity significantly lower than that of rigid polystyrene. This makes it suitable for use as thermal insulation. The remaining 2% by volume of the polystyrene matrix contains a built-in polymeric flame retardant, which is safe for health and the environment.

4. First aid

Description of first aid measures:

- no special precautions are necessary,
- first aid – inhalation: no specific measures,
- first aid – skin contact: no specific measures,
- first aid – eye contact: no specific measures,
- first aid - swallowing: no specific measures,
- advice for those providing assistance - symptomatic treatment.

5. Fasten seriously in case ofWitharu

5.1. Extinguishing media

Suitable extinguishing media: water spray, water fog, foam, carbon dioxide (CO₂), dry powder. Sand or earth can be used for small fires. For safety reasons, do not use a full water stream as an extinguishing media.

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5.2. Special hazards arising from the substance or mixture

In a fire, carbon monoxide, carbon dioxide, vinylbenzene, and aliphatic hydrocarbons may be released. Smoke may reduce visibility.

5.3. Information for the fire brigade:

A closed respiratory protection system and full protective clothing should be worn.

6. Procedure in case of accidental release into the environment

The product is in solid form and does not pose any hazard.

7. Instructions for use

7.1. Precautions for safe use

The brittle material can be cut with standard cutting tools without special precautions. Hand tools should be used whenever possible for cutting. Keep away from ignition sources. Do not smoke. Keep a fire extinguisher handy when working with heat. Ensure adequate ventilation in the work area when cutting. Avoid inhaling fumes from heated product during thermal cutting. All equipment should be grounded. Avoid creating or accumulating dust.

7.2. Other precautions:

- protect from direct sunlight,
- protect against organic solvents that cause dissolution and swelling of polystyrene (some glues, wood preservatives, etc.),
- do not use in direct contact with substances that have a destructive effect on polystyrene, e.g. organic solvents such as acetone, benzene, turpentine, gasoline,
- remember about the effects of strong winds, especially when working at heights,
- installation temperature: ambient temperature.

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7.3. Toxicological information

When used as intended and handled appropriately, the product does not have any harmful or irritating properties.

Contact with a hot product may cause burns.



8. Transport and storage

The boards should be transported and stored in the manufacturer's original packaging, in a manner that protects them from damage.

Store outdoors under a roof or in ventilated rooms, in a manner protecting against damage and the effects of weather conditions.

Avoid exposure to high temperatures, flames and other ignition sources.

Storage temperature: less than 85 ° C.

Do not store near heat or ignition sources. Avoid prolonged exposure to sunlight.

Resistant to many chemicals, but not to organic solvents.

Packaging: packed in polyethylene foil.

9. Exposure control

Personal protective equipment:

- respiratory protection: no special precautions,
- hand protection: no special precautions,
- eye protection: no special precautions,
- skin protection: standard work clothes.

10. Physical and chemical properties

Information on basic physical and chemical properties:

- form: rigid cellular plastic foam filled with air,
- shape: block, slab or shaped piece,
- color: white or gray, white-gray or blue,
- smell: odorless,
- flash point: 370 °C,
- flammability: reaction to fire class Euroclass E, self-extinguishing; a product classified as able to withstand the impact of a small flame in a short time, extinguishing after the fire source is removed,
- density from 8-35 kg/m³,
- solubility: insoluble in water and generally chemically neutral,
- soluble in aromatic compounds, halogenated solvents and ketones, softening temperature: 85 - 100 °C,
- auto-ignition temperature: 450 °C.

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11. Stability and reactivity

11.1. Reactivity and chemical stability

Stable and chemically inert under normal conditions of use and storage.

Resistant to many chemicals, but not to organic solvents. Care should be taken when choosing adhesives.

11.2. Conditions to avoid

- short-term heating above 100 °C,
- long-term heating above 85° C
- ignition sources: heat, sparks, open flames, organic solvents, prolonged exposure to sunlight, direct contact with electrical wires.

12. Fastiņędealing with waste

Waste disposal methods:

- dispose of in accordance with the regulations and procedures in force in the country of use,
- the waste is not classified as hazardous,
- it is recommended to recover or recycle waste,
- the following waste code is assigned to the output product waste (polystyrene): 07 02 13 - plastic waste,
- packaging waste (foil) is assigned the following waste code: 15 01 02 - plastic packaging,
- waste polypropylene (PP) foil contaminated with glue and polystyrene the following waste code is assigned: 07 02 99 – other waste not specified.

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The above information is based on current knowledge and is intended to describe the product for the purposes of product safety requirements.

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