

1. Identification of the article and of the company/undertaking

1.1 Product identifier

IzoWall EPS, IzoRoof EPS, self-supporting insulating and structural sandwich panels with expanded polystyrene core with double-sided metal facing

1.2 Relevant identified uses of the article and uses advised against

1.2.1 Use of the Article

IzoRoof EPS - Roof cladding and covering

IzoWall EPS - External walls and wall coverings; and (partition) walls and suspended ceilings inside the building structure

1.2.2 Uses advised against

No additional information available

The use of the products should be carried out in accordance with the technical guidelines of Izopanel sp. z o.o. and the harmonised product standard EN 14509:2013

1.3 Details of the supplier of the safety data sheet

Izopanel Sp. z o.o.

36 Budowlanych Street,

80-298 Gdańsk, Poland

T +48 58 340 17 17

F +48 58 340 17 18

info@izopanel.pl

website: www.izopanel.eu

1.4 Emergency telephone number

112 - general emergency number

2. Hazards identification

2.1 Classification of the article

Not applicable : articles are not subjected to any obligation to classify (Art 4 of Regulation (EC) No 1272/2008)

2.2 Label elements

According to EC directives or the corresponding national regulations there is no labelling obligation for this product.

2.3 Other hazards

The use of cutting tools operating at high speeds can generate dust. Heating to temperatures above 370°C may cause emission of core components and decomposition products.

3. Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Composition: Foamed polystyrene; metallic-coated steel; alternatively stainless steel

Hazardous components:

Order number	Ingredient name	CAS number	% content
1.	Expanded polystyrene (EPS)	9003-53-6	>97
2.	Pentane	109-66-0	<2
3.	Mixed isomers	78-78-4	<1

4. First aid measures

4.1 Description of first aid measures

4.1.1.1 First-aid measures after inhalation

Remove the person to fresh air

4.1.1.2 First-aid measures after skin contact

Non-sensitising.

4.1.1.3 First-aid measures after eye contact

Small, dust particles should be removed by flushing with warm clean water

4.1.1.4 First-aid measures after ingestion

Drink plenty of water. Seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

Not expected to present a significant hazard under anticipated conditions of normal use.

4.3 Indication of any immediate medical attention and special treatment needed

No indications required. Seek medical advice if adverse reactions occur or if discomfort persists.

5. Firefighting measures

5.1 Extinguishing media

5.1.1 Suitable extinguishing media:

Water spray, foam, CO₂ or dry chemical

5.1.2 Unsuitable extinguishing media:

No additional information available

5.2 Special hazards arising from the substance or mixture

In the case of fire, dangerous gases containing at least carbon monoxide (CO) may be formed. The formation of other harmful gases cannot be ruled out. Avoid inhalation of combustion products as they may cause health hazards.

5.3 Advice for firefighters

Products are classified as Non-Resistant to Fire (NRO) and Class E with regard to reaction to fire, meaning that a building product with this class does not sustain the spread of fire once the ignition source is removed. In the event of large fires in poorly ventilated areas or packaging fires, full protective clothing and standard respiratory protection/oxygen apparatus must be used.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Not applicable

6.2 Environmental precautions

No additional information available

6.3 Methods and material for containment and cleaning up

Remove with Hoover or sweep up

6.4 Reference to other sections

Personal protection: section 8; Product disposal: section 13

7. Handling and storage

7.1 Precautions for safe handling

No special measures. Sandwich panels should be cut with panel saws, panel saws with panel saw blades or sabre saws with a metal saw blade. It is not permissible to use angle grinders or other tools that generate high temperatures during cutting and may damage the galvanic and organic coatings that protect the sheet against corrosion.

For the installation of the sandwich panels, a gripper and a vacuum lifter should be used for the installation of the sandwich panels (so-called suction cup). For the panel assembly itself, a screwdriver with adjustable tightening power should be used together with a cap to prevent the screws from turning and denting the panel surface. Take special care when loading and unloading the panels.

7.2 Conditions for safe storage, including any incompatibilities

Store in original packing in a location free from any ignition hazard such as open flames, cutting and welding torches, high surface temperature electric heaters and other forms of direct radiant heat.

It is essential to provide an appropriate number of supports and place them on a flat surface to prevent bending or local damage if the weight of the panels is not distributed evenly on all supports. In case of storing panels for a longer period, packets should be placed on supports with a proper slope, so that rain water is drained naturally if keeping product protected from the elements is difficult. Remember also that there is a risk of vulcanization of foil and metal, as mentioned above. Additionally, panels should be separated with spacers to ensure free airflow.

7.3 Specific end use(s)

No additional information available

8. Exposure controls/personal protection

8.1 Control parameters

Exposure limits are not specified

8.2 Exposure controls

8.2.1 Appropriate engineering controls

No additional information available

8.2.2 Personal protection equipment

Eyes and face: Protective goggles are recommended during mechanical cutting. UV protective sunglasses are recommended when installing a product with reflective facings in sunny weather.

Skin: Non-sensitising. It is recommended to wear gloves when handling the products. Skin protection from UV is recommended when installing a product with reflective facings in sunny weather.

Hands: It is recommended to use protective gloves when installing the products.

Inhalation: Dust is non-hazardous. It is recommended to wear a disposable dust mask during all cutting procedures. Wherever dust is generated as a result of mechanical cutting in a closed room, extracts are recommended

Other: The smooth facing used on roof products can be slippery underfoot when wet.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Panels made of foamed polystyrene core and coated steel sheets – solid form.
Odour	Odourless
pH	Neutral
Melting point	Not applicable
Initial boiling point	Not applicable
Flash point	370° C (core - in the case of absence of residual pentane)
Evaporation rate	Not applicable
Flammability	Flammable - core
Explosive properties	Not applicable
Auto-ignition temperature	450° C core
Decomposition temperature	Not applicable
Insulation density	Core 12 (+/-3) [kg/m ³], facings 7700 (+/- 200) [kg/m ³]
Solubility in water	Not applicable
Solubility in fats	Not applicable
Oxidising properties	Not applicable

9.2 Other information

No additional information available.

10. Stability and reactivity

10.1 Reactivity

Stable under normal conditions

10.2 Chemical stability

Stable under normal conditions

10.3 Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use

10.4 Conditions to avoid

Heating above 85o C, exposure to flames and sparks and direct contact with electrical conductors, contact of the core with solvents and concentrated acids.

10.5 Incompatible materials

No additional information available

10.6 Hazardous decomposition products

Below 370°C - none

Above 370°C - possible release of styrene and pentane

11. Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral)	Not classified
Acute toxicity (dermal)	Dust from this product may cause skin irritation
Acute toxicity (eye)	Dust from this product may cause eye irritation
Acute toxicity (inhalation)	Dust from this product may cause irritation to the respiratory tract
Carcinogenicity	Not classified
Germ cell mutagenicity	Not classified
Not classified	Not classified
Toxic effects on target organs - repeated exposure	Not classified
Aspiration hazard	Not classified

11.2 Information on other hazards

No additional information available

12. Ecological information

12.1 Toxicity

Ecology – general: no data available on ecotoxicity

Hazardous to the aquatic environment, short-term (acute): not classified

Hazardous to the aquatic environment, long-term (chronic): not classified

12.2 Persistence and degradedability

No self-degradation

12.3 Bioaccumulative potential

No additional information available

12.4 Mobility in soil

No additional information available

12.5 Results of PBT and vPvB assessment

May contain traces of HBCD. However, foamed polystyrene containing HBCD does not have to be classified as environmentally hazardous

12.6 Endocrine disrupting properties

No additional information available

12.7 Other adverse effects

No additional information available

13. Disposal considerations

13.1 Waste treatment methods

- a) Product/Packaging disposal recommendations – dispose in a safe manner in accordance with local/national regulations
- b) European List of Waste (LoW) - 17 06 04

Sandwich panels with an expanded polystyrene core by Izopanel are recyclable. It is suggested that the panel waste is handed over to a recycling company that will separate the steel from the insulation core. The undestroyed sandwich panels can be reused in less demanding applications.

14. Transport information

Transport and arrangement of panels on a transport mean are subject to Izopanel planning processes. In case of any individual expectations in this respect, customers should provide appropriate information during order submission. In most cases, Izopanel delivers panels to a site specified by the customer using special open-top vehicles which guarantee transport safety. If the transport is to be arranged by the Customer, a few basic principles should be taken into account: - panels are loaded at the production plant with use of forklift trucks, - only technically fit vehicles may be used for the transport of products, - loading platform must be flat and clean, with no sharp protruding parts, - open semitrailers, without canvas cover, with minimum width of 250 cm are recommended, - a packet of panels is allowed to extend beyond the rear edge of the vehicle up to 1.5 m, - the vehicle must be equipped with ratchet straps, at least 2 pieces per two packages - if loaded in two rows or 2 pieces per packet, if loaded in a single row. Packets should be secured with ratchet straps placed at least every 3 metres, Delivered products may be unloaded with use of a forklift truck or a crane. In both cases packets of panels have to be properly secured against damage. Place soft pads with proper width (approx. 15-20 cm) on the fork of the forklift truck or install crane sling securely. While unloading, follow general safety precautions for hoisting equipment operation.



MATERIAL SAFETY DATA SHEET
according to Regulation REACH (EC) 1907/2006 with its amendment
Regulation (EU) 2020/878

Version 1.1
date:
23.01.2025
Replaces
version 1
date:
10.08.2022

14.1 UN numer or ID number

Not regulated as a dangerous good for transport.

14.2 UN proper shipping name

Not regulated as a dangerous good for transport.

14.3 Transport hazard class(es)

Not established

14.4 Packing group

Not established

14.5 Environmental hazards

Not established

14.6 Special precautions for user

None known

14.7 Maritime transport in bulk according to IMO instruments

Not established

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

According to the REACH, CLP, GHS Regulations, the sandwich panels with an expanded polystyrene core produced by Izopanel are not classified as a hazardous substance with regard to their impact on physical properties, health and the environment.

- a) REACH: Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006. concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (OJ L 396, 30.12.2006, consolidated text 25.08.2021)
- b) CLP: Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (OJ L 353, 31.12.2008, consolidated text of 10.05.2021)
- c) Regulation of the Minister of Labour and Social Policy on the maximum permissible concentrations and intensities of factors harmful to health in the work environment (Dz.U. 2018 pos. 1286 as amended by Dz.U. 2020 item 61 and Dz. U. 2021 item 325)
- d) Regulation of the Minister of Health on safety and hygiene at work related to the presence of chemical agents in the workplace (Journal of Laws No. 11/2005 item 86, consolidated text: Journal of Laws. 2016 item 1488)

	MATERIAL SAFETY DATA SHEET according to Regulation REACH (EC) 1907/2006 with its amendment <i>Regulation (EU) 2020/878</i>	Version 1.1 date: 23.01.2025 Replaces version 1 date: 10.08.2022
---	---	--

15.2 Chemical safety regulations

No additional information available

16. Other information

For more information, please contact Izopanel Sp. z o.o. Technical Department or visit www.izopanel.eu

The information contained in this document is based on the knowledge and experience of the sandwich panel manufacturer and shouldn't be treated as a guarantee of specific properties. Users should consider each situation individually, complying with health and safety regulations and properly train all applicable personnel. During all work related to the product, it is recommended to wear appropriate protective clothing and use safety equipment. Panels should be used in accordance with their intended use and with the guidelines provided by the manufacturer.

The information above has been prepared in accordance with SDS format described in Annex 2 of the Regulation.