SAFETY INFORMATION SHEET

DECORATIVE ELEMENTS FOR INTERIORS AND FACADES

Voluntary safety information following the Safety Data Sheet format
according to Regulation (EC) No.1907/2006 (REACH)

Version: 1.0 **Issue Date: 20/10/2023**

SECTION 1: IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Name: DECORATIVE ELEMENTS FOR INTERIORS AND FACADES

Main components: POLYSTYRENE FOAM covered with primer.
Additional information is presented in Section 3.

CAS number: 9003-53-6

EC number: 929-203-0

Registration number under REACH Regulation: This product form does not require registration according to Regulation (EC) No 1907/2006 [REACH].

This product is produced as an article as defined in REGULATION (EC) No 1907/2006 (REACH).
The substances containing in this product do not require registration in accordance with Art. 7 of Regulation (EC) No 1907/2006, as they are not intended to be released and not result in exposure to a hazardous chemical under normal or reasonably foreseeable conditions of use.
The substances containing in this product are not listed in the Candidate List of Substances of Very High Concern for authorization.
So, Safety Data Sheet is not required. This document is provided as a convenience to the customers.

1.2 Relevant identified uses of the product and uses advised against

Identified uses: use for construction and decoration by industrial and professional workers and consumers.
Uses advised against: Uses not specified in the instructions are prohibited.

1.3 Details of the supplier of the safety information sheet

Architectural Decor Kft.
1142 Budapest
Tatai utca 3.
order@gaudidecor.eu
+36 70 756 5820

1.4 Emergency telephone number

+36 70 756 5820

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the product

Classification according to Regulation (EC) No 1272/2008 on classification, labeling and packaging (CLP)

Not applicable

2.2 Label Elements

Not applicable

2.3 Other hazards

Polystyrene is combustible material. When heated to decomposition, the product emits toxic fumes.

Possible formation of dust and small particles when working with material, transporting, transferring, cutting, grinding, drilling, deformation, accidental mechanical damage. Particulates from this product may cause mechanical irritation of eyes and respiratory tract.

Fine dry polymer dust generated when cutting polystyrene can form an explosive mixture with air.

Substances containing in the product do not meet the criteria for vPvB and PBT according to Regulation (EC) No 1907/2006, Annex XIII

Substances containing in the product are not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CAS number	EC number	Chemical name	Concentration	Classification according to Regulation (EC) No. 1272/2008	Specific concentration limits/ M-Factor	REACH Registration number
9003-53-6	929-203-0	POLYSTYRENE	>95%	Not classified	Not available	Not required

The product is covered by the primer which represents mixture containing Styrene-Butadiene Copolymer. It is not intended to be released under normal conditions of handling and use.

The product does not contain hazardous components.
The product does not contain asbestos, cyanide, formaldehyde. CFC free.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

4.1.1 General information:
The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

Exposure is possible in case of fire or in case of formation of dust and small particles when working with material, transporting, transferring, cutting, grinding, drilling, deformation, accidental mechanical damage.

In case of accident or if you feel unwell, seek medical advice. Show this document to the doctor in attendance.

4.1.2 Following inhalation:
Provide fresh air.
In case of inhalation of decomposition products in a fire, symptoms may be delayed. Get medical attention if you feel unwell.

4.1.3 After skin contact:
Remove any contaminated clothing, shoes or stockings.
After contact with skin, wash with plenty of water and soap.
Wash contaminated clothing before reuse.
Consult a physician if necessary.

4.1.4 Following eye contact:
Rinse cautiously with water for 5-15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

4.1.5 After ingestion:
Product is not intended to be ingested or eaten. If product is ingested, treat symptomatically. Do not induce vomiting. Rinse mouth with water to remove particles, and drink plenty of water to help reduce the irritation. Never give anything by mouth to an unconscious person. Get medical attention

4.2 Most important symptoms and effects, both acute and delayed

Under standard conditions of use, this product is not expected to create any unusual emergency hazards.
Following symptoms can occur:
Contact of material particles with the eyes may result in mechanical irritation characterized by itching or redness.
Inhalation of dust may cause irritation of the respiratory tract and cough.
Irritation of the gastrointestinal tract. Gastro-intestinal ailment. .No chronic effects are expected following ingestion.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

If products of thermal decomposition are inhaled the following symptoms can occur:
May cause respiratory irritation.
In case of breathing difficulties administer oxygen.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media:
Use water fog or fine spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Consider media appropriate for surrounding materials

Extinguishing media which must not be used for safety reasons:
Do not use a heavy water stream. Use of heavy stream of water may spread fire

5.2 Special hazards arising from the product

Fire hazard: Not considered flammable but may burn at high temperatures.
Polystyrene foam, like all organic materials, will burn if exposed to ignition source of sufficient heat and intensity, or open flame, such as a welder's torch.

Under certain fire conditions, irritating and potentially toxic fumes and gases can be generated, creating rapidly spreading, high-intensity flames and dense smoke. Exposure to decomposition products may present health hazards. Do not breathe smoke/fumes.

Explosion hazard: Product is not explosive.

Hazardous decomposition products in case of fire:

Nitrogen oxides (NOx). Carbon oxides (CO, CO2). Aromatic compounds.
Aldehydes. Ethylbenzene. Polymer fragments. Styrene. Unidentified organic compounds, which can include carbon particles, hydrocarbons organic products of pyrolysis.

5.3 Advice for fire-fighters

Remove unnecessary persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Soak thoroughly with water to cool and prevent re-ignition. If material is molten, do not apply direct water stream. Use fine water spray or foam. Cool surroundings with water to localize fire zone.

Wear a self-contained breathing apparatus and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). Clothing for fire-fighters shall include helmets, protective boots and gloves conforming to European standard EN 469 for a basic level of protection for chemical incidents. Fight fire with normal precautions from a reasonable distance.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

General measures: Use personal protective equipment. Avoid dust formation. Avoid prolonged contact with eyes, skin and clothing. Avoid breathing of dust and particles.

Provide adequate ventilation. Remove all ignition sources. All action shall not be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from contaminated area. Wear personal protection equipment.

6.2 Environmental precautions

Do not allow to enter particles into ground-water, surface water or drains. Inform the local authorities if the environmental pollution by the product has occurred

6.3 Methods and material for containment and cleaning up

Remove mechanically, placing in appropriate containers for disposal.
Clear contaminated area thoroughly. Ventilate affected area.

6.4 Reference to other sections

Information on protective measures and waste disposal is available in the sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Ensure adequate ventilation of the storage area.
Wear personal protection equipment.
Avoid contact with skin, eye and clothing.
After contact with skin, wash immediately with plenty of water and soap.
Handle in accordance with good industrial hygiene and safety procedures.
Wash hands before breaks and after work.
Eating, drinking and smoking should be prohibited in areas where this product is handled, stored and processed.

7.2 Conditions for safe storage, including any incompatibilities

Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from extremely high or low temperatures, ignition sources, sparks and incompatible materials. Have appropriate extinguishing media available – sprinkler systems, portable fire extinguishers.
Keep/Store away from direct sunlight. Long exposure to UV rays (sun) will result in slow surface degradation.
Store away from food and drink.
Do not store together with: Strong acids, strong bases, strong oxidizers. Avoid contact with: Aldehydes.
Amines. Esters. Liquid fuels. Organic solvents.

7.3 Specific end use(s)

Use for construction and decoration by industrial and professional workers and consumers

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

No data available

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Provide adequate ventilation. Ensure all national/local regulations are observed.

8.2.2 Individual protection measures, such as personal protective equipment

Respiratory protection:
Respiratory protection should be worn when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process. When respiratory protection is required for certain operations, including but not limited to saw, router or hotwire cutting, use an approved air-purifying respirator. In dusty or misty atmospheres, use an approved particulate respirator. The following should be effective types of air-purifying respirators: Organic vapor cartridge with a particulate pre-filter.

Hand protection:
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique(without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws. Wash and dry hands. The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN ISO 374-1: 2016.

Eye protection:
If there is a potential for exposure, wear safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as EN 166: 2002.

Skin protection:
Wear impervious clothing.

General protection and hygiene measures:
Wash hands, forearms and face thoroughly after handling, before eating, smoking and using the lavatory and at the end of the working period. Wash contaminated clothing before reusing.

8.2.3 Environmental exposure controls

Avoid release to the environment. See Section 6.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance (physical state and colour):	Solid Colour - white
Odour:	Odourless

Odour threshold:	No data available
pH:	Not applicable
Melting point/freezing point:	200 °C
Boiling point/boiling range:	No data available
Flash point:	343 °C
Flammability (solid, gas):	Non-flammable. Polystyrene is a combustible material, it will melt and burn in a fire
Upper/lower flammability or explosive limits:	Not applicable.
Explosive properties:	Not explosive. Fine dry polymer dust generated when cutting polystyrene can form an explosive mixture with air
Oxidising properties:	Not oxidizing.
Vapour pressure:	Not applicable.
Density:	0.3-0.5 g/cm³ (Apparent Density)
Water solubility:	Insoluble in water
Solubility in other solvents:	No data available.
Partition coefficient: n-octanol/water:	No data available.

Viscosity:	Not applicable.
Vapour density:	No data available.
Evaporation rate:	No data available.
Auto-ignition temperature:	440 °C
Decomposition temperature:	No data available

9.2 Other information

Organic peroxide: Based on the available data, the classification criteria are not met.
Self-heating: Based on the available data, the classification criteria are not met.
Pyrophoric liquid: Based on the available data, the classification criteria are not met.
Corrosive to metals: Based on the available data, the classification criteria are not met.
Substance which in contact with water emits flammable gases: Based on the available data, the classification criteria are not met.
Other properties: The product is water resistant.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Specific test data related to reactivity are not available. See section 10.5

10.2 Chemical stability

Stable under normal conditions of use.

10.3 Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid

Keep away from heat, sparks, open flames and other ignition sources. Protect from moisture. Avoid direct sunlight.

10.5 Incompatible materials

Strong acids, strong bases, strong oxidizers. Avoid contact with: Aldehydes. Amines. Esters. Liquid fuels. Organic solvents.

10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products are not expected.
Hazardous decomposition products may occur as a result of oxidation, heating, or reaction with another material.
Thermal decomposition leads to formation of: Nitrogen oxides (NOx). Carbon oxides. Aromatic compounds. Aldehydes. Ethylbenzene. Polymer fragments. Styrene. Unidentified organic compounds, which can include organic products of pyrolysis.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute effects (acute toxicity, irritation and corrosivity)

LD50 oral:	No data available. Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts. Danger of obstruction if swallowed in large quantities.
LD50 dermal:	No data available Skin absorption is unlikely due to physical properties.
LC50 inhalation:	No data available Dust may cause irritation to upper respiratory tract (nose and throat). Fumes/vapors released during thermal operations such as hot wire cutting may cause respiratory irritation.

Skin corrosion / irritation

This product is expected to be non-irritating.
In some cases mechanical injury only is possible. Frequent and prolonged contact may cause mild skin irritation.

Serious eye damage / irritation

This product is expected to be non-irritating.
Exposure to dust may cause eye irritation due to mechanical action. Fumes/vapor released during thermal operations such as hot-wire cutting may cause eye irritation.

Specific target organ toxicity – single exposure

No data available

Sensitisation

Respiratory sensitisation: No data available.
Skin sensitisation: No data available

Repeated dose toxicity

Specific target organ toxicity — repeated exposure: No data available

CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)

Carcinogenicity Substances containing in the product are not known or reported to be carcinogenic by any reference source including IARC or NTP.
IARC Carcinogenic Classes (Polystyrene): Group 3: Not classifiable as to its carcinogenicity to humans

Germ cell mutagenicity: Substances containing in the product are not known or reported to be mutagenic

Reproductive toxicity: Substances containing in the product are not known or reported to be hazardous for reproductive system
Reproductive toxicity, effects on or via lactation: No data available.

Aspiration hazard

No data available.

11.2. Information on other hazards

Polystyrene foam is made of fully reacted polymers and is considered a non-hazardous material.

The main adverse health effects of cured polystyrene are related to dust generated by sanding, grinding or cutting the cured foam. Like sawdust or other fine powders, dust from polystyrene foam may irritate respiratory organs, eyes, and skin

Skin or eye contact with heated material may cause burns, ensure operators wear appropriate clothing and gloves/respirators when required.
Fumes evolved from overheated material or hot wire cutting may cause respiratory irritation.
Decomposition fumes, from overheated melted material or hot wire cutting, may irritate the eyes.

11.2.1. Endocrine disrupting properties:
This product does not contain substances which are included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

11.2.2. Other information:
Symptoms/Injuries After Inhalation: Prolonged exposure may cause irritation.

Symptoms/Injuries After Skin Contact: Prolonged exposure may cause skin irritation.

Symptoms/Injuries After Eye Contact: May cause slight irritation to eyes.

Symptoms/Injuries After Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: None expected under normal conditions of use.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Acute toxicity
Polystyrene is expected to be of low toxicity concern to aquatic and terrestrial organisms.

Chronic toxicity
No data available

12.2 Persistence and degradability

The study does not need to be conducted for articles.

Other relevant information:	The product is not expected to be readily degradable. Surface photodegradation is expected with exposure to sunlight. No appreciable

	biodegradation is expected. Polystyrene foam meets the screening criteria for persistence
12.3 Bioaccumulative potential	
Experimental BCF:	No bioconcentration is expected because of the relatively high molecular weight (MW greater than 1000).
Log Pow:	No data available
12.4 Mobility in soil	
In the terrestrial environment, material is expected to remain in the soil. In the aquatic environment, material is expected to float.	
12.5 Results of PBT and vPvB assessment	
Substances containing in the product do not meet the criteria for vPvB and PBT according to Regulation (EC) No 1907/2006, Annex XIII	
12.6. Endocrine disrupting properties	
This product does not contain substances which are included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.	
12.7 Other adverse effects	
No data available	
SECTION 13: DISPOSAL CONSIDERATIONS	
13.1 Waste treatment methods	
This product and its packaging must be disposed of in a safe way. Generation of waste should be avoided or minimized wherever possible. All efforts to recycle material should be made.	

Disposal of this product and its packaging should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional or local authority requirements.

13.1.1 Product

Dispose of product wastes via a licensed waste disposal contractor.

Incineration or landfill should only be considered when recycling is not feasible. If incinerated, it is recommended that the flue gases be treated by a scrubber before exhausting to the atmosphere.

EWC Code 07 02 13

13.1.2 Packaging

Empty containers or liners may contain product residues. Packages should be emptied and can be recycled after thorough cleansing. If approved by local authorities, empty containers may be disposed of as non-hazardous material or returned for recycling.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number	Not a hazardous material with respect to these transportation regulations.
14.2. UN proper shipping name	Not a hazardous material with respect to these transportation regulations.
14.3. Transport hazard class(es)	Not a hazardous material with respect to these transportation regulations.
14.4. Packing group	Not a hazardous material with respect to these transportation regulations.
14.5. Environmental hazards	Not a marine pollutant.

14.6. Special precautions for user

No data available.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: REGULATORY INFORMATION

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

EU Regulation (EC) No. 1907/2006 (REACH) Annex XIV - List of substances subject to authorization
Not listed.

EU Regulation (EC) No. 1907/2006 (REACH) Annex XVII -Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles:
Not listed

Seveso Directive (2012/18/EU): Not listed.

Prior Informed Consent (PIC) (Regulation (EU) No 649/2012/EU): Not listed.

Ozone depleting substances (Regulation (EU) No 1005/2009/EU): Not listed.

Persistent Organic Pollutants (Regulation (EU) No 2019/1021): Not listed.

15.2 Chemical safety assessment

Not required for articles.

SECTION 16: OTHER INFORMATION

16.1.Indication of changes:

20/10/2023/Version 1 - Initial SDS

16.2.Abbreviations:

NOAEL: No Observed Adverse Effect Level.
NOEC: No observed effect concentration.
LD50: Lethal Dose 50 %. The LD50 corresponds to the dose of a tested substance causing 50 % lethality during a specified time interval.
LC50: Lethal Concentration 50 %. The LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval.

BCF: Bioconcentration factor.
PBT: Persistent, bioaccumulative and toxic.
vPvB: Very Persistent and very Bioccumulative.
NTP: National Toxicology Program
IARC: International Agency for Research on Cancer

16.3.Key literature references and sources for data:
PubChem database https://pubchem.ncbi.nlm.nih.gov/compound/Polystyrene#section=Safety-and-Hazards
https://polymerspolystyrene.wordpress.com/2018/10/08/polystyrene/

16.4. Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:
Not applicable for articles.

16.5.Relevant H-statements (number and full text):
Not applicable.