

**SAFETY DATA SHEET**  
**High Impact Resistance Polystyrene (HIPS)**  
According to Regulation (EU) No 2015/830 and (EU) No 2020/878

**1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1. Product identifier**

**Product name**      **High Impact Resistance Polystyrene (HIPS)**

**1.2 Relevant identified uses of the substance or mixture and uses advised against Identified uses**

Plastic industrial use

**1.3. . Details of the supplier of the safety data sheet**

**Manufacturer**              **Efeler Polimer San. Tic. Ltd.**

Cihangir Mah. Petrol Ofisi Cad. No: 4/2

Avcılar - İstanbul Türkiye

Tel: +90 212 674 62 64

[www.efelerpolimer.com](http://www.efelerpolimer.com)

**1.4. Emergency telephone number**

Tel: +90 212 674 62 64

National Poison Information Center (UZEM) :114

Emergency Health Services : 112

**SECTION 2: HAZARDS IDENTIFICATION****2.1. Classification of the substance or mixture**

**According to Regulation (EU) No 2015/830 and (EU) No 2020/878**

Not classified.

**2.2. Label elements**

**Label in Accordance With (EC) No. 2015/830 and (EU) 2020/878**

Not classified.

**Hazard Statements**

Not classified.

**Precautionary Statements**

Not classified.

**2.3. Other hazards**

The product doesn't contain any substance classified as PBT or vPvB.

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**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.2. Mixtures**

This product does not contain any substance which may be considered hazardous to the health and environment, according to the current legislation (EU No.2020/878 and EU No.2015/830). Also doesn't contain any substance with exposure limits.

**Composition Comments**

- The data shown are in accordance with the latest EC Directives.

Chemical Identity of the Substance	CAS	% Ağırlık
High Impact Resistance Polystyrene	9003-53-6	>99%

**SECTION 4: FIRST AID MEASURES**

**4.1. Description of first aid measures**

**Inhalation**

If inhaled, move exposed person to fresh air. If breathing difficulty persists, seek medical attention.

**Ingestion**

If swallowed, do not induce vomiting, seek medical attention if discomfort persists.

**Skin contact**

If molten material comes into contact with the skin, it can cause thermal burns, wash immediately with copious amounts of water. Do not try to peel off the molten product adhered to the skin, seek immediate medical attention if the burn is deep and extensive.

**Eye contact**

Dust, fine particles and process vapors can irritate the eyes. Immediately flush eyes with plenty of water for 15 minutes. If discomfort persists, seek medical help.

**4.2. Most important symptoms and effects, both acute and delayed**

There are no specific symptoms seen after exposure.

**4.3. Indication of any immediate medical attention and special treatment needed**

Treat according to symptoms and clinical situation.

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**SECTION 5: FIREFIGHTING MEASURES****5.1. Extinguishing media**

Extinguishing media: Extinguish preferably with foam, carbon dioxide, dry chemical powder and water mist.

Unsuitable fire extinguishers: High volume water jet/water spray

**5.2. Special hazards arising from the substance or mixture specific hazards**

In case of fire, hazardous gases may be formed.

**5.3. Advice for firefighters**

Avoid breathing fire vapours. Clear fire area of all non-emergency personnel. Move container from fire area if it can be done without any safety risk. Dike and collect extinguishing water. Protective equipment for fire-fighters In case of fire, wear self-contained breathing apparatus and full protective clothing. Face mask, protective gloves and safety helmet..

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel:**

Use the personal protective clothing listed in Section 8. Provide adequate ventilation, especially in confined spaces. Avoid creating dust, go to the assembly area..

**6.1.2. For emergency personnel:**

Use the personal protective equipment listed in section 8 of this form.

**6.2. Environmental precautions**

Avoid release to the environment. Do not allow to enter drains, sewers, soil or waterways.

**6.3. Methods and material for containment and cleaning up**

Sweep up spilled material and collect in suitable containers. Sweep up spills to avoid slipping. Clean spill area with copious amounts of water. Waste must be disposed of in accordance with regulations.

**6.4. Reference to other sections**

See Chapter 8 for personal protectors.

See Chapter 13 for waste disposal

**SECTION 7: HANDLING AND STORAGE****7.1. Precautions for safe handling**

Prevent dust formation, in case of formation provide adequate ventilation. Follow the manufacturer's recommendations. Static charges can accumulate, take precautions against static discharge.

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**7.2. Conditions for safe storage, including any incompatibilities**

Store in a cool, well-ventilated place, in its original packaging, away from direct sunlight and at ambient temperature. Store away from oxidizing agents

**7.3. Specific end use(s)**

The defined usage areas of this product are detailed in Section 1.2.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1. Control parameters**

Doesn't contain any substance with known exposure limits.

**8.2. Exposure controls**

**8.2.1. Appropriate engineering controls**

Use in a well-ventilated environment. Special ventilation may be required if use causes dust generation.

**8.2.2. Personal Protective Equipment (PPE)**



**Eye/Face Protection :**

Wear safety goggles with side shields conforming to the EN 166 standard or use a face shield.

**Skin Protection :**

Wear protective clothing.

**Hand Protection :**

Wear protective gloves conforming to European standards. Use heat resistant gloves when handling the hot molten polymer. Hot melt polymer can adhere to the skin. Wear appropriate personal protective equipment before handling hot melt polymer.

**Protection of the Respiratory System :**

No special precautions are required under normal conditions, but use approved respiratory protective equipment for high levels of dust and vapours.

**Environmental exposure controls :**

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Dispose of waste in accordance with local and national legislation.

#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

##### 9.1. Information on basic physical and chemical properties

Physical State	<i>Solid</i>
Colour	White
Odour	Plastic
olfactory threshold	No data available
pH	No data available
Melting Point/freezing point	No data available
boiling point	No data available
flash point	No data available
Evaporation rate	No data available
flammability	No data available
Upper/Lower flammability or explosive limit	No data available
vapor pressure	No data available
relative density	No data available
Resolution	No data available
Partition coefficient: n-octanol/water	No data available
flaming temperature	No data available
Decomposition temperature	No data available
fluidity	No data available
explosive properties	No data available
Oxidizing properties	No data available

##### 9.2. Other information

No data available

#### SECTION 10: STABILITY AND REACTIVITY

##### 10.1. Reactivity

No specific test data available.

##### 10.2. Chemical stability

Stable under recommended storage conditions.

##### 10.3. Possibility of hazardous reactions

Hazardous reactions do not occur under normal conditions of storage and use.

##### 10.4. Conditions to avoid

Avoid temperatures above 300 °C. Exposure to high temperatures may cause product degradation.

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**10.5. Incompatible materials**

Strong oxidizing agents.

**10.6. Hazardous decomposition products**

No harmful decomposition products under normal conditions of storage and use. In case of fire, harmful gases are formed.

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects****Acute toxicity :**

Not classified based on available information.

**Serious eye damage/irritation :**

Not classified based on available information.

**Skin corrosion/irritation :**

Not classified based on available information.

**Respiratory or skin sensitisation:**

Not classified based on available information.

**Germ cell mutagenicity:**

Not classified based on available information.

**Carcinogenicity**

Not classified based on available information.

**Reproductive toxicity**

Not classified based on available information.

**Specific Target Organ Toxicity – single exposure**

Not classified based on available information.

**Specific Target Organ Toxicity – repeated exposure**

Not classified based on available information.

**Aspiration damage**

Not classified based on available information.

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**SECTION 12: ECOLOGICAL INFORMATION****12.1. Toxicity**

No test data available.

**12.2. Persistence and degradability**

No test data available.

**12.3. Bioaccumulative potential**

No test data available.

**12.4. Mobility in soil**

No test data available.

**12.5. Results of PBT and vPvB assessment**

Does not contain any ingredients considered PBT and vPvB.

**12.6. Other adverse effects**

No available information.

**SECTION 13: DISPOSAL CONSIDERATIONS****13.1. Waste treatment methods**

Waste is disposed of by giving it to a licensed waste recycling company in accordance with local and international regulations.

**SECTION 14: TRANSPORT INFORMATION**

This product is not classified as dangerous according to international transport regulations.  
(ADR/RID,IMDG,IATA)

**14.1. UN Number**

Not applicable.

**14.2. UN proper shipping name**

Not applicable.

**14.3. Transport hazard class(es)**

Not applicable.

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**14.4. Packing group**

Not applicable.

**14.5. Environmental hazards**

Marine is not polluting.

**14.6. Special precautions for user**

No information

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Unclassified.

**SECTION 15: REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture Statutory Instruments**

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716)

**Approved Code Of Practice**

Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.

**Guidance Notes**

Workplace Exposure Limits EH40. CHIP for everyone HSG(108)

**EU Legislation**

Official Journal of the European Union COMMISSION REGULATION (EU) 2020/878 of 18 June 2020

**15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out.

**SECTION 16: OTHER INFORMATION****Abbreviations used in the safety data sheet****CAS= Chemical Abstracts Service****UN = United Nations****ADR = The Agreement concerning the International Carriage of Dangerous Goods by Road****ADN = European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.****RID = The Regulation concerning the International Carriage of Dangerous Goods by Rail**



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**IMDG = International Maritime Dangerous Goods Code****IATA = International Air Transport Association****OSHA= Occupational Safety and Health Administration (OSHA)****EC=European commission.****EEC= European Economic Community****MARPOL= The International Convention for the Prevention of Pollution from Ships****KKDIK/REACH= Registration, Evaluation, Authorisation and Restriction of Chemicals****Editor;****Mustafa MEVLEVİ**  
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