



## **SAFETY DATA SHEET (SDS)**

### **Sound Silencer Fire Retardant Porous Expanded Polypropylene (FR-PEPP) Panels**

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#### IMPORTANT

Read this SDS before handling and disposing of this product. Provide this information on to all users of this product.

## **1. Company and Substance Identification**

### **1.1 Company**

Acoustical Surfaces, Inc.  
123 Columbia Court N.  
Chaska MN 55318

Tel.:+1(800)854-2948  
Fax:+1(952)448-2613  
Website: [www.acousticalsurfaces.com](http://www.acousticalsurfaces.com)

### **1.2 Product identification**

Trade Name:  
Chemical Name: Chemical  
Family:

ARPRO® FR Porous Expanded Polypropylene  
Ethylene Propylene Copolymer w/ FR Additive  
Polypropylene

Emergency Phone Number:

+1 (610) 651-8616

## **2. Hazard(s) Identification**

### **2.1 Classification of the Substance or Mixture Classification (GHS-US)**

Not Classified. Within the meaning of the OSHA Hazard Communication Standard [29 CFR 1910.1200]: this product is not considered a hazard when used in a manner which is consistent with the labeled directions. This product is considered an article in its final form.

### **2.2 Label Elements GHS-US Labeling**

No additional information available.

### **2.3 Other Hazards**

Other hazards not contributing to the classification: Risk of thermal burns on contact with molten/melted product. Dust and vapors may aggravate those with pre-existing eye, skin, or respiratory disorders. Cutting, sawing, grinding, or other operations that generate dust may raise nuisance particles that can cause mechanical irritation to the skin, eyes, or respiratory tract. Expanded Polypropylene dust accumulation can present a dust explosion hazard. Take necessary measures to limit dust production, and follow applicable regulations.

### **2.4 Unknown Acute Toxicity (GHS-US)**



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No data available

### **3. Composition/Information on Ingredients**

#### **3.1 Substance**

Not applicable

#### **3.2 Mixture**

Within the meaning of the OSHA Hazard Communication Standard [29 CFR 1910.1200]: this mixture is not considered a hazard when used in a manner which is consistent with the labeled directions

### **4. First-Aid Measures**

#### **4.1 Description of First Aid Measures**

First-aid Measures General: If injury occurs or if you feel unwell, seek medical advice.

First-aid Measures After Inhalation: Not expected to present a significant inhalation hazard under anticipated conditions of normal use. Seek medical attention if breathing difficulty persists.

First-aid Measures After Skin Contact: None expected under normal conditions of use. Seek medical attention if irritation develops or persists.

First-aid Measures After Eye Contact: Adverse effects not expected from this product. Seek medical attention if pain, blinking or redness persist.

First-aid Measures After Ingestion: Not expected to be a primary route of exposure. Seek emergency medical attention.

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

Symptoms/Injuries: Not expected to present a significant hazard under anticipated conditions of normal use. Prolonged contact with large amounts of dust may cause mechanical irritation. Risk of thermal burns on contact with molten/melted product. Symptoms/Injuries after Inhalation: Dust from this product may cause irritation to the respiratory tract.

Symptoms/Injuries After Skin Contact: Prolonged contact with large amounts of dust may cause mechanical irritation. Risk of thermal burns on contact with molten/melted product.

Symptoms/Injuries After Eye Contact: Dust from this product may cause minor eye irritation.

Symptoms/Injuries After Ingestion: If a large quantity has been ingested: Gastrointestinal irritation. May cause nausea, vomiting, and diarrhea.

#### **4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed**

If you feel unwell, seek medical advice (show the label where possible).



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#### **5. Fire-Fighting Measures**

##### **5.1 Extinguishing Media**

Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire.

Unsuitable Extinguishing Media: Halogenated compounds. Do not use a heavy water stream. Use of heavy stream of water may spread fire.

##### **5.2 Special Hazards Arising From the Substance or Mixture**

Fire Hazard: Not considered flammable but may burn at high temperatures.

Explosion Hazard: Avoid dust clouds in combination with static electricity. Dust clouds can be explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

##### **5.3 Advice for Firefighters**

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection. In case of close fire-fighting, use breathing apparatus

Other information: Do not allow run-off from fire-fighting to enter drains or water courses.

#### **6. Accidental Release Measures**

##### **6.1 Personal Precautions, Protective Equipment and Emergency Procedures**

General Measures: Avoid breathing (dust, vapors, and fumes from molten/melted material). Avoid prolonged contact with eyes, skin and clothing. Avoid generating dust.

###### **6.1.1 For Non-emergency Personnel**

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

###### **6.1.2 For Emergency Responders**

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Ventilate area.

##### **6.2 Environmental Precautions**

Prevent entry to sewers and public waters.



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#### **6.3 Methods and Material for Containment and Cleaning Up**

For Containment: Avoid generation of dust during clean-up of spills. Sweep or vacuum the product to recover it. Spilled product may create slipping hazard on any hard smooth surface. Where possible any melted and/or molten/melted product to solidify naturally. Handle and store according to measures as defined in section 7. Use personal protection as defined in section 8.

Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely. Place in suitable labeled container for appropriate disposal. Contact competent authorities after a spill. (See Section 13).

#### **6.4 Reference to Other Sections**

See heading 8, exposure controls and personal protection.

### **7. Handling and Storage**

#### **7.1 Precautions for Safe Handling**

Additional Hazards When Processed: Avoid dust production. Risk of thermal burns on contact with molten/melted product. Thermal decomposition may release harmful/irritant gases/vapors carbon monoxide. Cutting, sawing, grinding, or other operations that generate dust may raise nuisance particles that can cause mechanical irritation to the skin, eyes, or respiratory tract. Expanded Polypropylene dust accumulation can present a dust explosion hazard. Take necessary measures to limit dust production, and follow applicable regulations. In order to avoid static discharge, equipment should be made of conducting material and should be grounded.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Do not eat, drink or smoke when using this product.

#### **7.2 Conditions for Safe Storage, Including Any Incompatibilities**

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Store away from incompatible materials. Sparks, heat, open flame and other sources of ignition.

Incompatible Products: Strong acids. Strong bases. Strong oxidizers.

#### **7.3 Specific End Use(s)**

No additional information available.

### **8. Exposure Controls / Personal Protection**

#### **8.1 Control Parameters**

The final product is considered an article and not hazardous in its final form under normal conditions of use according to 29CFR 1910.1200. The ingredients contained within this product are not expected to be bioavailable under normal conditions of use.



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#### 8.2 Exposure Controls

Appropriate Engineering Controls: Ensure all national/local regulations are observed. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment: Safety glasses. Gloves. Insufficient ventilation (specifically with the accumulation of dust or vapors from molten/melted product): wear respiratory protection.



Materials for Protective Clothing: As necessary when handling hot or molten/melted material, wear protective clothing. Under anticipated conditions of normal use: not normally considered as skin hazard

Hand Protection: If handling hot or molten/melted product wear insulated gloves, otherwise wear work gloves.

Eye Protection: Chemical goggles or safety glasses.

Industrial hygiene: Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet facilities.

Respiratory Protection: Use NIOSH-approved air-purifying or supplied-air respirator where airborne concentrations of dust or vapors from molten/melted product are expected to exceed exposure limits.

Consumer Exposure Controls: Do not eat, drink or smoke during use.

Occupational Exposure: EU: VME = 10 mg/m<sup>3</sup> (8 hour basis - Decree 84-1093)  
USA: TLV (ACGIH) 1997-98: TWA= 10 mg/m<sup>3</sup>.

## 9. Physical and Chemical Properties

### 9.1 Information on Basic Physical and Chemical Properties

Appearance:	Plastic beads
Physical state at 25°C:	Solid
Color:	Black or white (depending on grade/type)
Odor:	Odorless
Density at 25°C (g/l or kg/m <sup>3</sup> ):	10 to 225



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Solubility in water (% weight):	Insoluble
Other solvents:	Slightly soluble in hot organic solvents
Melting point temperature (°C):	130 to 170°C
Decomposition temperature (°C):	> 300°C
Auto-ignition temperature (°C):	> 350°C

#### **9.2 Other Information**

No additional information available.

### **10. Stability and Reactivity**

#### **10.1 Reactivity**

The product is stable in normal use conditions. Hazardous reactions will not occur under normal conditions.

#### **10.2 Chemical Stability**

Stable at standard temperature and pressure.

#### **10.3 Possibility of Hazardous Reactions**

Hazardous polymerization will not occur.

#### **10.4 Conditions to Avoid**

Direct sunlight. Extremely high or low temperatures. Incompatible materials

#### **10.5 Incompatible Materials**

Strong acids. Strong bases. Strong oxidizers.

#### **10.6 Hazardous Decomposition Products**

Incomplete combustion will generate carbon oxides (CO, CO<sub>2</sub>) and possibly other toxic gases including antimony oxides, organic acids, and brominated compounds.

### **11. Toxicological Information**

#### **11.1 Information on Toxicological Effects**



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Acute Toxicity: Not classified. LD50 not available. The final product is considered an article and not hazardous in its final form under normal conditions of use according to 29CFR 1910.1200. The ingredients contained within this product are not expected to be bioavailable under normal conditions of use.

Skin Corrosion/Irritation: Not Classified.

Serious Eye Damage/Irritation: Can induce irritation or injury of the cornea due to a mechanical action.

Respiratory or Skin Sensitization: Not classified.

Germ Cell Mutagenicity: Not classified

Carcinogenicity: Suspected of causing cancer

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): Not classified.

Specific Target Organ Toxicity (Repeated Exposure): Not classified.

Aspiration Hazard: Not classified.

Symptoms/Injuries After Inhalation: Not expected to present a significant inhalation hazard under anticipated conditions of normal use. Dust from this product may cause irritation to the respiratory tract.

Symptoms/Injuries After Skin Contact: Prolonged contact with large amounts of dust may cause mechanical irritation. Risk of thermal burns on contact with molten/melted product.

Symptoms/Injuries After Eye Contact: Dust from this product may cause minor eye irritation.

Symptoms/Injuries After Ingestion: May cause choking if ingested. If a large quantity has been ingested, may cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

## **12. Ecological Information**

### **12.1 Toxicity**

No additional information available.

### **12.2 Persistence and Degradability**

Product is biologically inert and not readily degradable.

### **12.3 Bioaccumulative Potential**

No additional information available

### **12.4 Mobility in Soil**

No additional information available.

### **12.5 Other Adverse Effects**



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No additional information available

#### **13. Disposal Considerations**

##### **13.1 Waste treatment methods**

Sewage Disposal Recommendations: Do not empty into drains; dispose of this material and its container in a safe way.

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations. User is encouraged to recycle or reuse material.

#### **14. Transportation Information**

Transport by Sea:	Not regulated for transport
Air Transport:	Not regulated for transport
UN No.:	Not classified.
ADR/RID:	Not classified.
ADR/VLG:	Not classified.
ADNR:	Not classified.
IMO-IMG code:	Not classified.
ICAO/IATA:	Not classified.
DOT:	Not classified.
Other information:	No supplementary information available.

#### **15. Regulatory Information**

##### **15.1 US Federal Regulations**

The final product is considered an article and not hazardous in its final form under normal conditions of use according to 29CFR 1910.1200. The ingredients contained within this product are not expected to be bioavailable under normal conditions of use.

##### **15.2 US State Regulations**

The final product is considered an article and not hazardous in its final form under normal conditions of use according to 29CFR 1910.1200. The ingredients contained within this product are not expected to be bioavailable under normal conditions of use.

EEC Labeling





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Symbol(s): None.

R Phrase(s): None.

S Phrase(s): None.

The contents and format of this SDS are in accordance with US OSHA requirements and EEC Commission directives 67/548/EEC, 91/155/EEC (and its modification 2001/58/EC), 1999/45/EC and their adaptations to technical progress.

#### **16. Other Information**

This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200. All information contained herein is based on the present state of our knowledge at the date of issue. It is believed to be accurate. It is intended to describe products from the point of view of safety requirements. It should not be construed as guaranteeing specific properties.

Under no circumstances is the user exempt from respecting legislative or administrative requirements related to the product in terms of safety, hygiene, and/or health and environmental protection.

This product should be stored, handled and used in accordance with good industrial hygiene practices and according to local regulations.

For this and other reasons, we do not assume responsibility and expressly disclaim any liability for loss, damage or expense arising out of, or in any way connected with the handling, storage, use of, and/or disposal of the product.

This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.