



Acoustical Surfaces, Inc.

SOUNDPROOFING, ACOUSTICS, NOISE & VIBRATION CONTROL SPECIALISTS

123 Columbia Court North • Suite 201 • Chaska, MN 55318
(952) 448-5300 • Fax (952) 448-2613 • (800) 448-0121

Email: sales@acousticalsurfaces.com
Visit our Website: www.acousticalsurfaces.com

We Identify and **S.T.O.P.** Your Noise Problems

ARPRO™ FIRE RETARDANT POROUS EXPANDED POLYPROPYLENE BEAD FOAM PLANK (PEPP)

MSDS No. G000175-10SHA-AE
Ver Date OCT 24 2004

4. Health Hazards						
Summary of Acute Hazards	Dust if generated from this material, may cause respiratory irritation following an excessive inhalation exposure. Some eye irritation is also possible following exposure to the dust.					
ROUTE OF EXPOSURE	SIGNS AND SYMPTOMS	PRIMARY ROUTE(S)				
Inhalation	Dust from this product may cause respiratory irritation following an excessive inhalation exposure. Follow exposure limits given on this material safety data sheet. Fumes/vapors generated during thermal operations such as hot wire cutting may cause respiratory irritation.	Yes				
Eye Contact	Dust from this product may cause eye irritation.	Yes				
Skin Absorption	This material is not expected to be a skin irritant.	No				
Skin Irritation	This material is not expected to be a health hazard by skin absorption. Contains a minor component antimony trioxide which may cause allergic skin reaction in susceptible individuals, however, exposure is unlikely because it is embedded in the foam.	No				
Ingestion	This material is not expected to be an ingestion hazard. Ingestion is unlikely due to physical state. May cause choking if swallowed.	No				
Summary of Chronic Hazards	Repeated exposure to dusts may cause respiratory effects. Additives are encapsulated in the product and are not expected to be released under normal processing conditions or foreseeable emergency. For hazard communication purposes under OSHA Standard 29 CFR 1910.1200, antimony trioxide is listed as a potential carcinogen by IRAC. Has caused cancer in some studies in laboratory animals. Positive exposure occurred only when exposures were to high dust levels which overloaded the lungs. Repeated or prolonged inhalation exposure to dusts and particulates of this material should be avoided. This material contains trace amounts of polynuclear aromatics which are known animal carcinogens.					
Special Health Effects	This material or its emissions may aggravate pulmonary/bronchial disease and/or cause breathing difficulty					
5. Protective Equipment and Other Controls						
Respiratory	NIOSH-/MSHA approved dust or mist respirator should be used if airborne particulate is generated when handling this material.					
Eye	Dust service goggles should be worn to prevent mechanical injury other irritation to eyes due to airborne particles which may result from handling this product.					
Skin	Not normally considered a skin hazard. Where use can result in skin contact, practice good personal hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking, smoking and when leaving work.					
Engineering Controls	No special ventilation is usually required to meet exposed standard(s) beyond that needed for normal comfort control.					
Other Hygienic Practices	Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet facilities. Promptly remove soiled clothing/wash thoroughly before reuse Shower after work using plenty of soap and water.					
Other Work Practices	No special work practices are needed beyond the above recommendations under anticipated conditions of normal use.					
5. Occupational Exposure Limits						
Substance	Source	Date	Type	Value/Units	Time	Skin
Nuisance Particulates Particulates Not Otherwise Regulated (Total Dust)	ACGIH	1992	TWA	10MG/M3	8 HRS	No
	OSHA	1989	TWA	15MG/M3	8 HRS	No
Particulates Not Otherwise Regulated (Respirable Fraction Carbon Black)	OSHA	1989	TWA	5 MG/M#	8 HRS	No
	ACGIH	1992	TWA	3.5MG/M#	8 HRS	No
	OSHA	1989	TWA	3.5MG/M3	8 HRS	No
Although some of the additives used in this product may have exposure guidelines, these additives are encapsulated in the product and no exposure would be expected under normal handling conditions. #There may be OSHA PELs and/or ACGIH-TLVs for one or more components which are trade secrets. Chemical identities will be revealed to treating physicians in an emergency, or to purchasers after execution of a secrecy agreement.						
Industrial Hygiene Comments	No additional Occupational Exposure Limit Information available.					
5. Emergency and First Aid						
Inhalation	Remove victim to fresh air immediately. Obtain emergency medical attention if breathing difficulty persists beyond 15 minutes.					
Eye Contact	In case of eye contact with this solid material, immediately rinse with clean water for 20-30 minutes. Retract eyelids often. Obtain emergency medical attention if pain, blinking, tears or redness persist.					
Skin Contact	Not expected to present a significant skin hazard under anticipated conditions of normal use.					
Ingestion	Not expected to present a significant ingestion hazard under anticipated conditions of normal use.					
Emergency Medical Treatment Procedures	If large quantity swallowed, give lukewarm water (pint) if victim completely conscious, alert. Do not induce vomiting/risk of damage to lungs exceeds poisoning risk. Obtain emergency medical attention.					
Detoxification Procedures	Treat symptomatically.					



Acoustical Surfaces, Inc.

SOUNDPROOFING, ACOUSTICS, NOISE & VIBRATION CONTROL SPECIALISTS

123 Columbia Court North • Suite 201 • Chaska, MN 55318
(952) 448-5300 • Fax (952) 448-2613 • (800) 448-0121

Email: sales@acousticalsurfaces.com
Visit our Website: www.acousticalsurfaces.com

We Identify and **S.T.O.P.** Your Noise Problems

ARPRO™ FIRE RETARDANT POROUS EXPANDED POLYPROPYLENE BEAD FOAM PLANK (PEPP)

MSDS No. G000175-10SHA-AE
Ver Date OCT 24 2004

8. Spill and Disposal		
<p>Precautions If Materials is Spilled or Released Creates dangerous slipping hazard on any hard surface. Material in bead form is similar to ball bearings on walking surface, making it difficult to keep steady footing. Spread granular cover on walkways or provide open grating flooring (or equivalent). Limit access to essential cleanup personnel. Stop release. On land, sweep or shovel into suitable disposal containers. On water, material is insoluble. Collect and contain as any solid. Report per regulatory requirements.</p>		
<p>Waste Disposal Methods Landfill solids at permitted sites. Use registered transporters. Comply with federal/state/local regulations for solid waste disposal. Solids may be burned, if fired with supplemental fuel. Avoid flameouts. Assure emissions comply with applicable regulations. Contaminated product, soil or water should not be designated RCRA hazardous waste</p>		
9. Components		
(This may not be a complete list of components)		
Component Name	CAS No.	Composition Amount
Polypropylene/ethylene Copolymer	9010-79-1	92 to 99 %
Carbon Black	9010-79-1	0.0 to 1.0 %
Antimony Trioxide	1333-86-4	1.0 to 3.0 %
Tetrabromobisphenol A.Bis (2,3-dibromopropyl ether)	21850-44-2	1.0 to 4.0 %
10. Component Health Hazards		
(Component)	Component Health Hazards	
Polypropylene/ethylene Copolymer	No significant hazards	
Carbon Black	Slight health hazard	
Antimony Trioxide	Slight health hazard	
Tetrabromobisphenol A.Bis (2,3-dibromopropyl ether)	Slight health hazard	
11. Additional Toxicological Information		
Component Name /Comments		
Carbon Black: Some sources identify carbon black as a suspected human carcinogen. IARC concludes that the data are insufficient to classify carbon black as a human carcinogen.		
Antimony Trioxide: This product is a "Hazardous Chemical" as defined by OSHA Hazard Communication Standard, 29 CFR 1910.1200. Product is subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.		
Tetrabromobisphenol A.Bis (2,3-dibromopropyl ether): Not known to be a carcinogen. Not classified by IARC.		
Note: All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.		
Material No additional toxicology information is available for this material.		
12. Physical and Chemical Data		
Boiling Point N/AP	Viscosity N/AP	Dry Point N/AP
Freezing Point N/AP	Vapor Pressure N/AP	Volatile Characteristics Negligible
Specific Gravity AP .02 to .15 (H ₂ O = 1.0 at 39.2° F)	Vapor Specific Gravity N/AP	Solubility in Water Negligible (Less than .1 Percent)
pH N/AP	Hazardous Polymerization N/AP	Stability Stable
Other Chemical Reactivity	No additional information available.	
Other Physical and Chemical Properties	No additional information available.	
Appearance and Odor	Black expanded plastic pellets with little or no odor.	
Conditions to Avoid	High temperatures, oxidizing conditions.	
Materials to avoid	Strong oxidizing agents.	
Hazardous Decomposition	Incomplete combustion may produce carbon monoxide and other toxic gases. hazardous decomposition products depend upon temperature, air supply and the presence of other materials. Processing may release fumes which may include decomposition products. Fumes may be irritating. At temperatures exceeding melt temperatures, polymer fragments may occur. Hazardous decomposition may include, and are not limited to: carbon monoxide.	



Acoustical Surfaces, Inc.

SOUNDPROOFING, ACOUSTICS, NOISE & VIBRATION CONTROL SPECIALISTS

123 Columbia Court North • Suite 201 • Chaska, MN 55318
 (952) 448-5300 • Fax (952) 448-2613 • (800) 448-0121

Email: sales@acousticalsurfaces.com
 Visit our Website: www.acousticalsurfaces.com

We Identify and **S.T.O.P.** Your Noise Problems

ARPRO™ FIRE RETARDANT POROUS EXPANDED POLYPROPYLENE BEAD FOAM PLANK (PEPP)

MSDS No. G000175-10SHA-AE
 Ver Date OCT 24 2004

13. Hazards Rating Information
National Fire Protection Association No hazards rating information is available for this system.
Hazardous Materials Information System (HMIS) No hazards rating information is available for this system.
14. Additional Precautions
Handling and Storage Procedures Due to the extremely slippery nature of this material in bead form, more care than usual must be exercised in material handling practices to keep off all walking surfaces. The hazard of any unavoidable spillage can be reduced by using as walking surface an open grating which will permit this material to fall into the open spaces between grating bars for later recovery.
Decontamination Procedures No special decontamination procedures needed.



Acoustical Surfaces, Inc.

SOUNDPROOFING, ACOUSTICS, NOISE & VIBRATION CONTROL SPECIALISTS

123 Columbia Court North • Suite 201 • Chaska, MN 55318
 (952) 448-5300 • Fax (952) 448-2613 • (800) 448-0121

Email: sales@acousticalsurfaces.com
 Visit our Website: www.acousticalsurfaces.com

We Identify and **S.T.O.P.** Your Noise Problems

ARPRO™ FIRE RETARDANT POROUS EXPANDED POLYPROPYLENE BEAD FOAM PLANK (PEPP)

MSDS No. G000175-10SHA-AE
 Ver Date OCT 24 2004

15. Regulatory Information

Federal:

Toxic Substances Control Act (TSCA)

The following is the TSCA Chemical Substance Inventory Status of the components of this material with CAS numbers listed in Section 9 –

Components:

CHEMICAL

CHEMICAL	CAS NO.	STATUS
Polypropylene/ethylene Copolymer	9010-79-1	1. Listed – Non Confidential
Carbon Black	1333-86-4	1. Listed – Non Confidential
Antimony Trioxide	1309-64-4	1. Listed – Non Confidential
Tetrabromobisphenol A.Bis (2,3-dibromopropyl ether)	21850-44-2	1. Listed – Non Confidential

Superfund Amendments and Reauthorization Act of 1988 (SARA), Title III – Section 302/304

Requires emergency planning based on "Threshold Planning Quantities" (TPQs), and release reporting based on Reportable Quantities (ROs) of "Extremely Hazardous Substances" (EHS) listed in Appendix A of 40 CFR 355. There are no components of this material with known CAS numbers which are on the EHS list.

– Section 311 & 312

Based upon available information, this material and/or components are classified as the following health and/or physical hazards according to Section 311 & 312: Immediate (Acute) Health Hazard

– Section 313

The material contains substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

CHEMICAL NAME	CAS NUMBER	CONCENTRATION
Antimony Trioxide	1309-64-4	<3%

OSHA Regulation

This product contains a "Hazardous Chemical" as defined by OSHA Hazard Communication Standard, 29 CFR 1910.1200.

CHEMICAL NAME	CAS NUMBER	CONCENTRATION
Antimony Trioxide	1309-64-4	<3%

Other EPA Regulations

Department of transportation (DOT)

Other than the normal shipping instructions and information given in this MSDS, there are no other specific DOT regulations governing the shipment of this material.

STATE REGULATIONS:

California Safe Drinking Water and Toxic Enforcement Act of 1988 – Proposition 65
 This product contains a chemical shown to the State of California to cause cancer.

CHEMICAL NAME	CAS NUMBER	CONCENTRATION
Antimony Trioxide	1309-64-4	<3%

California South Coast Air Quality Management District (SCAQMD) Rule 443.1 (VOC's)

A Volatile Organic Compound (VOC) is any volatile compound of carbon excluding methane, carbon monoxide, carbonic acid, metallic carbides or carbonates, ammonium carbonate, 1,1,1-trichloroethane, methylene chloride, (FC-23), (CFC-113), (CFC-12), (CFC-11), (CFC-22), (CFC-114), and (CFC-115). By this definition, this is not a VOC material.

Massachusetts Right-to-Know Substance List (MSL) {105 CMR670.000}

Hazardous Substances (MSL-HS) on the MSL must be identified when present in materials at levels greater than state specified criterion. The criterion is >=1%. Components with CAS numbers present in this material at a level which could require reporting under the statute are:

CHEMICAL NAME	CAS NUMBER
Antimony Trioxide	1309-64-4
Carbon Black	1333-86-4

Extraordinarily Hazardous Substances (MSL-EHS) must be identified when present in materials at levels greater than state specified criterion. The criterion is >=1%. Components with CAS numbers present in this material, at levels specified in Section 9- Components, do not require reporting under the statute.

New Jersey Registration

This product contains a chemical regulated as a: Special Health Hazard Substance per NJ1, an Environmental Hazardous Substance per NJ2 and Workplace Hazardous Substance per NJ3.

CHEMICAL NAME	CAS NUMBER
Antimony Trioxide	1309-64-4

None of the trade secrets listed in Section 9 – Components have been registered with the State of New Jersey.

SEQ:1

Page 5 of 8

- Soundproofing Products • Sonex™ Ceiling & Wall Panels • Sound Control Curtains • Equipment Enclosures • Acoustical Baffles & Banners • Solid Wood & Veneer Acoustical Ceiling & Wall Systems
- Professional Audio Acoustics • Vibration & Damping Control • Fire Retardant Acoustics • Hearing Protection • Moisture & Impact Resistant Products • Floor Impact Noise Reduction
- Sound Absorbers • Noise Barriers • Fabric Wrapped Wall Panels • Acoustical Foam (Egg Crate) • Acoustical Sealants & Adhesives • Outdoor Noise Control • Assistive Listening Devices
- OSHA, FDA, ADA Compliance • On-Site Acoustical Analysis • Acoustical Design & Consulting • Large Inventory • Fast Shipment • No Project too Large or Small • Major Credit Cards Accepted



Acoustical Surfaces, Inc.

SOUNDPROOFING, ACOUSTICS, NOISE & VIBRATION CONTROL SPECIALISTS

123 Columbia Court North • Suite 201 • Chaska, MN 55318
 (952) 448-5300 • Fax (952) 448-2613 • (800) 448-0121

Email: sales@acousticalsurfaces.com
 Visit our Website: www.acousticalsurfaces.com

We Identify and **S.T.O.P.** Your Noise Problems

ARPRO™ FIRE RETARDANT POROUS EXPANDED POLYPROPYLENE BEAD FOAM PLANK (PEPP)

MSDS No. G000175-10SHA-AE
 Ver Date OCT 24 2004

13. Regulatory Information (Cont'd)

Pennsylvania Right-to Know Hazardous Substance Lists

Hazardous Substances (PA-HS) must be identified when present in materials at levels greater than the state specified criterion. The criterion is $\geq 1\%$. Components with CAS numbers in this material at a level which could require reporting under the statute are:

CHEMICAL NAME	CAS NUMBER
Antimony Trioxide	1309-64-4
Carbon Black	1333-86-4

Special Hazardous Substances (PA-SHS) must be identified when present in materials at levels greater than the state criterion. The criterion is $\geq 0.01\%$. Environmental Hazards (PA-EH) must be identified when present in materials at levels greater than the State specified criterion. The criterion is $\geq 0.01\%$. Components with CAS numbers present in this material, at levels specified in Section 9- Components, do not require reporting under the statute.

Canadian Regulations

WHMIS Information: The Canadian Workplace Hazardous Materials Information System (WHMIS) for this product is: This product is not a "Controlled Product" under WHMIS.

Regulatory Advisory

If you reformulate or further process this material, you should consider re-evaluation of the regulatory status of the components listed in Section 9, based on the final composition of your product

One or more of the trade secret components of this material, listed in Section 9 - Components, may be on states' regulatory lists. Chemical identities will be revealed to treating physicians in an emergency, or to purchasers after execution of a secrecy agreement.



Acoustical Surfaces, Inc.

SOUNDPROOFING, ACOUSTICS, NOISE & VIBRATION CONTROL SPECIALISTS

123 Columbia Court North • Suite 201 • Chaska, MN 55318
 (952) 448-5300 • Fax (952) 448-2613 • (800) 448-0121

Email: sales@acousticalsurfaces.com
 Visit our Website: www.acousticalsurfaces.com

We Identify and S.T.O.P. Your Noise Problems

ARPRO™ FIRE RETARDANT POROUS EXPANDED POLYPROPYLENE BEAD FOAM PLANK (PEPP)

MSDS No. G000175-10SHA-AE
 Ver Date OCT 24 2004

16. Label Information	
Distributor:	Acoustical Surfaces, Inc. 123 Columbia Court North, Suite 201 Chaska, MN, 55318
Telephone Numbers	EMERGENCY 1-800 424-9300 CHEMTREC CUSTOMER SERVICE ACOUSTICAL SURFACES INC. 1-800-448-0737 Information Only.
Other JSPI Names	This document covers all members of the series of products identified as ARPRO® Fire Retardant Expanded Polypropylene Beads G00D175-001 through G00175-025
Use Statement	Keep out of the reach of children
Physical Hazards	Slipping hazard on smooth, hard walking surface
Health Hazards	Inhalation hazard - particulates/dust Eye irritant-particulates/dust
Signal Word	CAUTION
Precautionary Measures	Avoid contact with eyes Avoid prolonged or repeated breathing of dust Use with adequate ventilation Remove spillage immediately from hard, smooth walking areas
DOT Information:	UN/NA ID No. N/AP DOT Hazardous Class Not regulated DOT Reportable Quantity N/AP
DOT Hazardous Material Shipping Name	Not regulated
Component Name	CAS No. Composition Amount (Wt.)
Polypropylene/ethylene Copolymer	9010-79-1 95 to 99 %
Carbon Black	1333-86-4 0.0 to 5.0 %
Antimony Trioxide 1	1309-64-4 1.0 to 3.0 %
Tetrabromobisphenol A,Bis (2,3-dibromopropyl ether)	21850-44-2 0 to 4.0 %
Instructions:	In case of fire use: Water CO2; Dry chemical; Foam
First Aid:	Inhalation Remove victim to fresh air immediately. Obtain emergency medical attention if breathing difficulty persists beyond 15 minutes. Eye Contact In case of eye contact with this solid material, immediately rinse with clean water for 20-30 minutes. Retract eyelids often. Obtain emergency medical attention if pain, blinking, tears or redness persist. Skin Contact Not expected to present a significant skin hazard under anticipated conditions of normal use. Ingestion Not expected to present a significant ingestion hazard under anticipated conditions of normal use. In case of Spill Material creates dangerous slipping hazard on hard surfaces. Spread granular cover or provide open grating flooring. Limit access to essential personnel. On land, sweep/shovel into disposal containers. On water, material is insoluble; collect and contain as any solid. Report per regulatory requirements.
Protective Equipment	Respiratory Use NIOSH/MSHA approved dust or mist respirator where excessive dust or mist may result from use. Eye Dust service goggles should be worn to prevent mechanical injury to eyes due airborne particles when handling. Skin No special clothing normally required. Where use can result in skin contact, wash thoroughly before eating, drinking, smoking, or leaving work.
Label No. :	LG000175 Version No. 2 Date: OCT 24 2004



Acoustical Surfaces, Inc.

SOUNDPROOFING, ACOUSTICS, NOISE & VIBRATION CONTROL SPECIALISTS

123 Columbia Court North • Suite 201 • Chaska, MN 55318
 (952) 448-5300 • Fax (952) 448-2613 • (800) 448-0121

Email: sales@acousticalsurfaces.com
 Visit our Website: www.acousticalsurfaces.com

We Identify and **S.T.O.P.** Your Noise Problems

ARPRO™ FIRE RETARDANT POROUS EXPANDED POLYPROPYLENE BEAD FOAM PLANK (PEPP)

MSDS No. G000175-10SHA-AE
 Ver Date OCT 24 2004

17. General Comments				
General Comments				
No additional information available.				
Other Comments				
Some of the information presented and conclusions drawn herein are from sources other than direct test data on the material itself.				
Note	EQ=Equal	AP=Approximately	N/P=No applicable information found	
Qualifications:	LT=Less Than	UK+Unknown	N/AP=Not Applicable	
	GT=Greater Than	TR=Trace	N/DA=No Data Available	
Disclaimer of Liability				
The information in the MSDS was obtained from sources which we believe are reliable. HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, REGARDING ITS CORRECTNESS.				
The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANYWAY CONNECTED WITH THE HANDLING, STORAGE USE OR DISPOSAL OF THE PRODUCT.				
This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable				