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

Material Safety Data Sheet

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

MSDS No G000175-1-OSHA-AE

MSDS CLASS Н Ver. No.

Ver. Date OCT 24 2004

IMPORTANT: Read this MSDS before handling and disposing of this product and pass this information on to the employees, customers, and users of this product. This product is covered by the OSHA Hazard Communication Rule and this document has been prepared in accord with this MSDS requirements of this rule.

Distributor:

Acoustical Surfaces,Inc. 123 Columbia Court North, Suite 201 Chaska, MN 55318

1. General					
Trade Name:	ARPRO® FIRE RETARDANT POROL POLYPROPYLENE BEADS (Plank) (P		Telephone Numbers: EMERGENCY 800/424-9300	CHEMTREC	
Other Company Names	This document covers all members of products identified as ARPRO® Fire Retardant Porous Expanded Polypropylene Beads G000175-001 through G000175-025		800/424-9300	CHEWIREC	
Synonyms	ARPRO® FR Beads		CUSTOMER SERVICE 1-800-448-0737		
Other Industry Names	None		•		
Chemical Family	Organic polymers DOT Hazardous Material Proper Shipping Name Not regulated				
Generic Name	Ethylene Propylene Copolymer	DOT HAZA Not regulate		DOT Reportable Quantity N/AP	
CAS No.	(See Sec 9 JSPI Material I.D. Components	BE380	UN/NA ID No.	N/AP	
2. Summary of Hazards					
Signal Word Physical Hazards Acute Health Effect (Short Term)	CAUTION Slipping hazard if spilled on hard smooth walking surface Slight inhalation hazard - particulates/dust Dust may be an eye irritant due to mechanical action. Fumes and/or vapors released during thermal operations such as hot-wire cutting may cause eye irritations and respiratory irritation. No expected ingestion hazard due to physical state. May cause choking if swallowed. No expected skin irritation hazard. Contains a minor component antimony trioxide, which may cause allergic skin reaction in susceptible individuals, however, exposure to antimony trioxide is unlikely because it is embedded in the product. No expected skin absorption hazard due to mechanical form. (See Section 4 - Health Hazards) No appropriate human or animal data are known to exist on adverse chronic health effects from repeated or prolonged exposure to this material.				
(Long Term)	No appropriate numan or animal data are known to exist on adverse chronic health effects from repeated or prolonged exposure to this material. Repeated or prolonged breathing of dust should be avoided.				
		3. 1	Fire and Explosion		
Flash Point N/AP	Autoignition Temperature GT 600° F Flammable Lower: N/AP Upper: N/AP				
Fire and Explosion Hazard	Heat from fire may melt, decompose, and generate flammable vapors. When mixed with air and exposed to ignition source, vapors can bum in open or explode if confined. Vapors may be heavier than air. May travel long distances along the ground before igniting and flashing back to vapor source. Melting alone may cause steam explosion on contact with water. The smoke may contain polymer fragments of varying compositions in addition to unidentified toxic compounds.				
Extinguishing Media	Water CO2 Dry chemical				
Extinguishing Media Use Comment	No additional information available				
Special Firefighting	Do not enter fire area without proper protection. (See Section 12- Physical and Chemical Data – Hazardous Decomposition Products). Fight fire from a sale distance/protected location; Walking surface contact results in slipping/falling hazard. For large fire, use lots of water as straight stream to dig into hot molten mass from outside to open up. Cool interior/prevent reignition; spray/fog for surface cooling. Keep above burning material. Molten material forms flaming drops after igniting, Notify authorities if liquid enters sewer/public waters.				

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[·] 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



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

		4	. Health Hazar	ds			
Summary of Acute Hazards	Dust if generated from this mate possible following exposure to t		espiratory irrita	ation following a	n excessive inhalation	on exposure	e. Some eye irritation is also
ROUTE OF EXPOSURE	SIGNS AND SYMPTOMS						IMARY UTE(S
Inhalation	Dust from this product may causexposure. Follow exposure limits generated during thermal operations.	s given on this m	aterial safety d	lata sheet. Fume	s/vapors	Yes	
Eye Contact	Dust from this product may caus	se 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 product.						
Ingestion	This material is not expected to be an ingestion hazard. Ingestion is unlikely due to physical state. May cause choking if swallowed.						
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 ma	ay aggravate pul	monary/bronch	ial 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. Occup	ational Expos	ure Limits			
Substance Nuisance Particulates Particulates Not Otherwise (Total Dust) Particulates Not Otherwise (Respirable Fraction Carbon Black	ŭ	Source ACGIH OSHA OSHA ACGIH	Date 1992 1989 1989	Type TWA TWA TWA	Value/Units 10MG/M3 15MG/M3 5 MG/M#	Time 8 HRS 8 HRS 8 HRS 8 HRS	Skin No No No
Calboll Black		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 Expos	ure Limit Informa	ation 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.						

SEQ:1 Page 2 of 8

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8. Spill and Disposal

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.

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

9. Components

(This may not be a complete list of components)	Compositions are typical values, not specifications			
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

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.Bia (2.3-dibramopropyle 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 (H2O = 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 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.			

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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

Decontamination Procedures

No special decontamination procedures needed

SEQ:1 Page 4 of 8



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15. Regulatory Information

Federa

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

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 arid 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 (RQs) of "Extremely Hazardous Substances" (EHS) fated 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 instructors 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), arid (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 arid 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

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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 greeter than the state specified criterion. The criterion is >=1%. Components with CAS numbers in this material at a level which could require reporting under the statute are:

CHEMICAL NAME
Antimony Trioxide
Carbon Black
Carbon Black
Cas NUMBER
1309-64-4
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 >=0.01 %. Environmental Hazards (PA-EH) must be identified when present in materials at levels greater then the State specified criterion. The criterion is >=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.

SEQ:1 Page 6 of 8



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

16. Label Information

Telephone Numbers **EMERGENCY**

CUSTOMER SERVICE

ACOUSTICAL SURFACES INC. 1-800-448-0737 Information Only.

Signal Word CAUTION

This document covers all members of the series of products identified as ARPRO® Fire Retardant Expanded Polypropylene Beads Other JSPI Names

G00D175-001 through G00175-025

Chaska, MN, 55318

Use Statement Keep out of the reach of children

Physical Hazards Health Hazards

Acoustical Surfaces, Inc. 123 Columbia Court North, Suite 201

Inhalation hazard - particulates/dust Slipping hazard on smooth, hard walking surface

Eye irritant-particulates/dust

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

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 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;

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

Not expected to present a significant skin hazard under anticipated conditions of normal use Skin Contact 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

> Eve Dust service goggles should be worn to prevent mechanical injury to eyes due airborne particles when handling. No special clothing normally required. Where use can result in skin contact, wash thoroughly before eating, drinking, Skin

smoking, or leaving work

Label No.: LG000175 Version No. 2 Date: OCT 24 2004

SEO:1 Page 7 of 8



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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

SEQ:1 Page 8 of 8

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