

# Material Safety Data Sheet



## Quietflex Acoustic Baffles and Banners

### 1. Product and company identification

<b>Product name</b>	: Quietflex Acoustic Baffles and Banners
<b>Material uses</b>	: Acoustic Baffles
<b>Supplier/Manufacturer</b>	: QuietFlex Manufacturing Company L.P. 4518 Brittmoore Rd. Houston, Texas 77041 Tel : (713) 849-2163 Tol Free : 1-877-694-3669 Fax : (713) 849-0753
<b>Validation date</b>	: 11/30/2008
<b>Responsible name</b>	: Atrion Regulatory Services, Inc.
<b>In case of emergency</b>	: CANUTEC (613) 996-6666 CHEMTREC, U.S. : (800) 424-9300 International: (703) 527-3887

### 2. Hazards identification

<b>Physical state</b>	: Solid. [Fibrous blanket]
<b>Odor</b>	: Organic
<b>OSHA/HCS status</b>	: While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.
<b>Emergency overview</b>	: NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED. No known significant effects or critical hazards.
<b>Potential acute health effects</b>	
<b>Inhalation</b>	: No known significant effects or critical hazards.
<b>Ingestion</b>	: No known significant effects or critical hazards.
<b>Skin</b>	: No known significant effects or critical hazards.
<b>Eyes</b>	: No known significant effects or critical hazards.
<b>Potential chronic health effects</b>	
<b>Chronic effects</b>	: Contains material that can cause target organ damage.
<b>Carcinogenicity</b>	: Contains material which can cause cancer. Risk of cancer depends on duration and level of exposure.
<b>Mutagenicity</b>	: No known significant effects or critical hazards.
<b>Teratogenicity</b>	: No known significant effects or critical hazards.
<b>Developmental effects</b>	: No known significant effects or critical hazards.
<b>Fertility effects</b>	: No known significant effects or critical hazards.
<b>Over-exposure signs/symptoms</b>	
<b>Inhalation</b>	: No specific data.
<b>Ingestion</b>	: No specific data.
<b>Skin</b>	: No specific data.
<b>Eyes</b>	: No specific data.
<b>Medical conditions aggravated by over-exposure</b>	: Pre-existing disorders involving any target organs mentioned in this MSDS as being at risk may be aggravated by over-exposure to this product.

**See toxicological information (section 11)**

### 3 . Composition/information on ingredients

#### United States

Name	CAS number	%
Fiber glass	65997-17-3	60 - 100
Antimony trioxide	1309-64-4	> 1
Carbon Black	1333-86-4	> 1
Titanium dioxide	13463-67-7	> 1

This product is an Article under the United States Hazard Communication System. Therefore it is EXEMPTED from the regulatory requirements under HCS. To the best of our knowledge, the toxicological properties of this product have not been thoroughly investigated.

Carbon black contained in this material is totally bounded, so cannot be inhaled under any normal circumstances of uses.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.**

### 4 . First aid measures

- Eye contact** : Check for and remove any contact lenses. In case of contact with eyes, rinse immediately with plenty of water. Get medical attention if symptoms occur.
- Skin contact** : Wash with soap and water. Get medical attention if symptoms occur.
- Inhalation** : These products are a solid and are not likely to be hazardous by inhalation. However, if exposed to fumes from overheating or combustion, remove to fresh air.
- Ingestion** : Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.
- Notes to physician** : No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

### 5 . Fire-fighting measures

- Flammability of the product** : Does not supports combustion.
- Extinguishing media**
- Suitable** : Use water, carbon dioxide, dry chemicals or foam.
  - Not suitable** : None known.
- Hazardous thermal decomposition products** : No specific data.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
- Special remarks on fire hazards** : Fire will produce dense smoke. Fine powder forms flammable mixtures in air. Emits toxic fumes under fire condition.

### 6 . Accidental release measures

- Personal precautions** : Put on appropriate personal protective equipment (see section 8).
- Environmental precautions** : Do not release in the environment.
- Methods for cleaning up**
- Small spill** : Dispose of via a licensed waste disposal contractor.
  - Large spill** : Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.

## 7 . Handling and storage

- Handling** : Put on appropriate personal protective equipment (see section 8). Workers should wash hands and face before eating, drinking and smoking.
- Storage** : Store in accordance with local regulations.

## 8 . Exposure controls/personal protection

	<b>United States</b>
<b>Product name</b>	<b>Exposure limits</b>
Fiber glass	<b>ACGIH TLV (United States).</b> TWA: 5 mg/m <sup>3</sup> Form: Respirable TWA: 10 mg/m <sup>3</sup> Form: Total dust <b>OSHA PEL (United States).</b> TWA: 5 mg/m <sup>3</sup> Form: Respirable TWA: 15 mg/m <sup>3</sup> Form: Total dust <b>NIOSH REL (United States).</b> TWA: 5 mg/m <sup>3</sup> Form: Total dust
Antimony trioxide	<b>ACGIH TLV (United States, 1/2008).</b> TWA: 0.5 mg/m <sup>3</sup> , (as Sb) 8 hour(s). <b>OSHA PEL (United States, 11/2006).</b> TWA: 0.5 mg/m <sup>3</sup> , (as Sb) 8 hour(s).
Carbon Black	<b>ACGIH TLV (United States, 1/2008).</b> TWA: 3.5 mg/m <sup>3</sup> 8 hour(s). <b>NIOSH REL (United States, 12/2001).</b> TWA: 3.5 mg/m <sup>3</sup> 10 hour(s). TWA: 0.1 mg of PAHs/cm <sup>3</sup> 10 hour(s). <b>OSHA PEL (United States, 11/2006).</b> TWA: 3.5 mg/m <sup>3</sup> 8 hour(s).
Titanium dioxide	<b>OSHA PEL (United States, 11/2006).</b> TWA: 15 mg/m <sup>3</sup> 8 hour(s). Form: Total dust <b>ACGIH TLV (United States, 1/2008).</b> TWA: 10 mg/m <sup>3</sup> 8 hour(s).

### Consult local authorities for acceptable exposure limits.

- Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.
- Engineering measures** : No special ventilation requirements.
- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Ensure that eyewash stations and safety showers are close to the workstation location.
- Personal protection**
- Eyes** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.
- Skin** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory** : Use a properly fitted, air-purifying or supplied air respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
- Hands** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

## 9 . Physical and chemical properties

<b>Physical state</b>	: Solid. [Fibrous blanket]
<b>Color</b>	: Various
<b>Odor</b>	: Organic
<b>Melting/freezing point</b>	: 2250°C (4082°F)

## 10 . Stability and reactivity

<b>Stability</b>	: The product is stable.
<b>Hazardous polymerization</b>	: Under normal conditions of storage and use, hazardous polymerization will not occur.
<b>Conditions to avoid</b>	: Open flames, sparks and static discharge
<b>Materials to avoid</b>	: Reactive or incompatible with the following materials: oxidizing materials.
<b>Hazardous decomposition products</b>	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11 . Toxicological information

### Acute toxicity

Product/ingredient name	Species	Dose	Result	Exposure
Carbon Black	Rabbit	>3 g/kg	LD50 Dermal	-
	Rat	>15400 mg/kg	LD50 Oral	-

<b>Inhalation</b>	: No known significant effects or critical hazards.
<b>Ingestion</b>	: No known significant effects or critical hazards.
<b>Skin</b>	: No known significant effects or critical hazards.
<b>Eyes</b>	: No known significant effects or critical hazards.

## 12 . Ecological information

<b>Environmental effects</b>	: No known significant effects or critical hazards.
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### Aquatic ecotoxicity

Product/ingredient name	Species	Exposure	Result
Antimony trioxide	Daphnia	48 hours	Acute EC50 423450 to 496000 ug/L
	Fish	96 hours	Acute LC50 >530 mg/L
Titanium dioxide	Daphnia	48 hours	Acute EC50 >1000000 ug/L
	Fish	96 hours	Acute LC50 >1000000 ug/L

## 13 . Disposal considerations

<b>Waste disposal</b>	: The generation of waste should be avoided or minimized wherever possible. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.
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Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

## 14 . Transport information

<b>AERG</b>	: Not applicable.
<b>Regulatory information</b>	
<b>DOT/ IMDG/ IATA</b>	: Not regulated.

## 15 . Regulatory information

### United States

**HCS Classification**

: Exempted

**U.S. Federal regulations**

: TSCA 8(a) PAIR: N,N'-ethylenebis(3,4,5,6-tetrabromophthalimide)

**United States inventory (TSCA 8b):** All components are listed or exempted.

TSCA 8(d) H and S data reporting: N,N'-ethylenebis(3,4,5,6-tetrabromophthalimide): 1990

**SARA 302/304/311/312 extremely hazardous substances:** No products were found.

**SARA 302/304 emergency planning and notification:** No products were found.

**SARA 302/304/311/312 hazardous chemicals:** Antimony trioxide; Carbon Black; Titanium dioxide

**SARA 311/312 MSDS distribution - chemical inventory - hazard identification**

Antimony trioxide: Delayed (chronic) health hazard; Carbon Black: Immediate (acute) health hazard, Delayed (chronic) health hazard; Titanium dioxide: Delayed (chronic) health hazard

**Clean Water Act (CWA) 307:** Antimony trioxide

**Clean Water Act (CWA) 311:** Antimony trioxide

**Clean Air Act (CAA) 112 accidental release prevention** No products were found.

**Clean Air Act (CAA) 112 regulated flammable substances** No products were found.

**Clean Air Act (CAA) 112 regulated toxic substances** No products were found.

### SARA 313

**Form R - Reporting requirements**

**Product name**  
: Antimony trioxide

**CAS number**  
1309-64-4

**Concentration**  
> 1

**Supplier notification**

: Antimony trioxide

1309-64-4

> 1

SARA 313 notifications must not be detached from the MSDS and any copying and redistribution of the MSDS shall include copying and redistribution of the notice attached to copies of the MSDS subsequently redistributed.

### State regulations

: **Connecticut Carcinogen Reporting:** None of the components are listed.

**Connecticut Hazardous Material Survey:** None of the components are listed.

**Florida substances:** None of the components are listed.

**Illinois Chemical Safety Act:** None of the components are listed.

**Illinois Toxic Substances Disclosure to Employee Act:** None of the components are listed.

**Louisiana Reporting:** None of the components are listed.

**Louisiana Spill:** None of the components are listed.

**Massachusetts Spill:** None of the components are listed.

**Massachusetts Substances:** The following components are listed: Antimony trioxide; Carbon Black; Titanium dioxide

**Michigan Critical Material:** None of the components are listed.

**Minnesota Hazardous Substances:** None of the components are listed.

**New Jersey Hazardous Substances:** The following components are listed: Antimony trioxide; Carbon Black; Titanium dioxide

**New Jersey Spill:** None of the components are listed.

**New Jersey Toxic Catastrophe Prevention Act:** None of the components are listed.

**New York Acutely Hazardous Substances:** The following components are listed: Antimony trioxide

**New York Toxic Chemical Release Reporting:** None of the components are listed.

**Pennsylvania RTK Hazardous Substances:** The following components are listed: Antimony trioxide; Carbon Black; Titanium dioxide

**Rhode Island Hazardous Substances:** None of the components are listed.

### California Prop. 65

**WARNING:** This product contains a chemical known to the State of California to cause cancer.

## 15 . Regulatory information

Ingredient name	Cancer	Reproductive	No significant risk level	Maximum acceptable dosage level
Antimony trioxide	Yes.	No.	No.	No.
Carbon Black	Yes.	No.	No.	No.

### International regulations

**International lists** : This product, (and its ingredients) is (are) listed on national inventories, or is (are) exempted from being listed, in Australia (AICS), in Europe (EINECS/ELINCS), in Korea (TCCL), in Japan (METI), in the Philippines (RA6969).

## 16 . Other information

**Label requirements** : NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.

### Hazardous Material Information System (U.S.A.)

#### HAZARD RATINGS

Health	1
Fire hazard	1
Physical Hazard	0
Personal protection	

4- Extreme  
3- Serious  
2- Moderate  
1- Slight  
0- Minimal

See section 8 for more detailed information on personal protection.

The customer is responsible for determining the PPE code for this material.

**National Fire Protection Association (U.S.A.)** :



**References** : ANSI Z400.1, MSDS Standard, 2004. - Manufacturer's Material Safety Data Sheet. - 29CFR Part1910.1200 OSHA MSDS Requirements. - 49CFR Table List of Hazardous Materials, UN#, Proper Shipping Names, PG.

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**Version** : 1

### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.