

Print Date *no data available*

Revision Date 2010-05-31

Revision Number 3

## Wavebar

<b>Classification</b>	<b>PPE Personal Protection Equipment</b>	<b>Transport Symbol</b>

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

**Product code** 17004-WAVEBAR  
**Product name** Wavebar  
**Synonym** Wavebar Outdoor, Wavebar with Foil, Wavebar with Mylar, Wavebar with PSA, Quadzero, Soundlag, Sound Damping Pad, Sound Damping Pad XL, Vibradamp, Sound baffle

#### Manufacturer or supplier's details

Pyrotek Pty. Ltd.  
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Australia  
Pyrotek (61) (0)2 9631 1333  
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Email: MSDS@pyrotek-inc.com  
REACH email: REACH@pyrotek-inc.com

**Emergency telephone number** Chemtrec 1800 752 022 (24 hrs), Pyrotek Australia 1800 679 422

### 2. HAZARDS IDENTIFICATION

**Australian Hazard text** Not classified as hazardous according to criteria of NOHSC (Australia).

#### Classification

#### R -phrase(s)

#### S -phrase(s)

**Poison Schedule Number** No information available

**Further information** During manufacture the Barium Sulfate, Di Octyl Phthalate and Polyvinyl Chloride undergo a chemical change, as such these items become fully encapsulated within the product.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Names	CAS-No	EINECS-No.	Weight %	Classification
Polyurethane Film	---		NF	-
Tape Adhesive Non Hazardous	---		NF	-
Transfer Scrim Non Hazardous	---		NF	-
Mylar Film Non Hazardous	---		NF	-
Aluminium Foil	---		NF	-
Diocetylphthalate	117-81-7	204-211-0	10 - 25%	Repr.Cat.2; R60 R61
Barium Sulfate	7727-43-7	231-784-4	50 - 75%	-
Polyvinyl Chloride	9002-86-2		5 - 10%	-
Polyester Fabric	---		5 - 10%	-
Silica, Crystalline - Quartz	14808-60-7	238-878-4	< 1%	-

All other ingredients determined not to be hazardous according to the ASCC / NOHSC / EU criteria.

### 4. FIRST AID MEASURES

<b>General advice</b>	No information available
<b>Inhalation</b>	Not a normal route of exposure. In the unlikely event of excessive inhalation of dust remove the individual to the fresh air.
<b>Skin contact</b>	In the unlikely event of skin irritation, wash affected part with mild soap and running water.
<b>Eye contact</b>	Not a normal route of exposure. Flush eyes with water as a precaution.
<b>Ingestion</b>	Not a normal route of exposure. Seek medical advise.
<b>Aggravated Medical Conditions</b>	None known.
<b>Notes to physician</b>	None known.
<b>For advice, contact Poisons Information Centre</b>	
In Australia, call Tel: 13 1126	
In New Zealand, call Tel: 034747000	

### 5. FIRE-FIGHTING MEASURES

<b>Flammable properties</b>	This material is not a combustable or flammable solid. The product self extinguishes on removal of direct flame..
<b>Suitable extinguishing media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding fire
<b>Unsuitable extinguishing media</b>	None known
<b>Special exposure hazards in a fire</b>	Avoid breathing fire vapors.
<b>Specific hazards arising from the chemical</b>	None known
<b>Protective equipment and precautions for firefighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear
<b>Australian Hazchem Code</b>	None known

### 6. ACCIDENTAL RELEASE MEASURES

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<b>Personal precautions</b>	Use personal protective equipment
<b>Environmental precautions</b>	No special environmental precautions required.
<b>Methods for cleaning up</b>	Material is a Solid, pickup and replace in container.
<b>Clean-up methods - large spillage</b>	No information available
<b>Clean-up methods - small spillage</b>	No information available

## 7. HANDLING AND STORAGE

<b>Handling</b>	Handle in accordance with good industrial hygiene and safety practice.
<b>Storage</b>	Keep in a dry place.
<b>Materials to avoid</b>	Strong oxidising agents.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Occupational exposure controls

#### Exposure guidelines

Chemical Names	ES-TWA	ES-STEL	ES-Peak
Diethylphthalate	5 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	
Barium Sulfate	0.5 mg/m <sup>3</sup> 10 mg/m <sup>3</sup>		
Silica, Crystalline - Quartz	0.1 mg/m <sup>3</sup>		

#### Biological standards

Chemical Names	Health Surveillance
Polyurethane Film	no biological limit allocated
Tape Adhesive Non Hazardous	no biological limit allocated
Transfer Scrim Non Hazardous	no biological limit allocated
Mylar Film Non Hazardous	no biological limit allocated
Aluminium Foil	no biological limit allocated
Diethylphthalate	no biological limit allocated
Barium Sulfate	no biological limit allocated
Polyvinyl Chloride	no biological limit allocated
Polyester Fabric	no biological limit allocated
Silica, Crystalline - Quartz	Listed

**Engineering controls**                      Ensure adequate ventilation, especially in confined areas

**PPE**  
If exposure limits are exceeded or irritation is experienced, the user must determine if any locally approved respiratory protection must be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Proper skin and eye protection should also be determined by the user. Respiratory, skin and eye protection must be provided in accordance with current local regulations. Considerations to aid the user in PPE assessments follow.

<b>Eye protection</b>	Avoid contact with eyes
<b>Skin protection</b>	Long sleeved clothing
<b>Respiratory protection</b>	No special protective equipment required
<b>Hand protection</b>	Cut resistant or Leather gloves
<b>General industrial hygiene practice</b>	Handle in accordance with good industrial hygiene and safety practice

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### General Information

<b>Physical state</b>	Solid.
<b>Appearance</b>	Flexible
<b>Colour</b>	Grey
<b>Odour</b>	No odour
<b>pH Value</b>	No data available

### Important Health Safety and Environmental Information

<b>Flash point</b>	No data available
<b>Melting point (°C) VALUE</b>	150
<b>Water solubility</b>	Insoluble

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under normal conditions
<b>Conditions to avoid</b>	Prolonged exposure to high temperatures.
<b>Materials to avoid</b>	Strong oxidising agents.
<b>Hazardous decomposition products</b>	Sulfur oxide. Carbon oxides. Thermal decomposition can lead to release of irritating gases and vapors.
<b>Possibility of hazardous reactions</b>	None known

## 11. TOXICOLOGICAL INFORMATION

**Local effects** No information available

**Target Organ Effects** No information available

### Acute toxicity

Chemical Names	LD50 Oral	LD50 Dermal	LC50 Inhalation
<i>Dioctylphthalate - 117-81-7</i>	6860 mg/kg Rat	24500 mg/kg Rabbit	10.62 mg/L Rat 4 h 23.67 mg/L Rat 1 h
<i>Silica, Crystalline - Quartz - 14808-60-7</i>	500 mg/kg Rat		

### Potential health effects

<b>Inhalation</b>	Not a normal route of exposure.
<b>Eyes</b>	Contact with eyes may cause irritation.
<b>Skin</b>	Long-term or repeated skin contact in combination with bad hygiene may cause skin irritation.
<b>Ingestion</b>	Not a normal route of exposure. Ingestion may cause gastrointestinal irritation.

**Aggravated Medical Conditions** None known.

### Specific effects

<b>Carcinogenic effects</b>	No information available
<b>Mutagenic effects</b>	No information available
<b>Reproductive toxicity</b>	No information available

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

**Ecotoxicity effects** Information follows

#### Diethylphthalate

##### **Freshwater Algae Data**

*Selenastrum capricornutum* EC50>0.1 mg/L (496 h)

*Scenedesmus subspicatus* EC50>130 mg/L (72 h)

##### **Microtox Data**

*Photobacterium phosphoreum* EC50=800 mg/L (15 min)

*Photobacterium phosphoreum* EC50=800 mg/L (30 min)

*Photobacterium phosphoreum* EC50=800 mg/L (5 min)

##### **Water Flea Data**

water flea EC50=11.0 mg/L (48 h)

*Daphnia magna* EC50=9.4 mg/L (48 h)

**Persistence and degradability** None known

**Mobility in Environmental Media** None known

**Biodegradation** None known

**Bioaccumulation** None known

#### Diethylphthalate

**log Pow** = 5.03

## 13. DISPOSAL CONSIDERATIONS

**Waste disposal methods** Dispose of in accordance with local regulations

**Contaminated packaging** Empty containers should be taken for local recycling, recovery or waste disposal

## 14. TRANSPORT INFORMATION

Not regulated for transport.

## 15. REGULATORY INFORMATION

### Carcinogenic substances

### International Inventories

Chemical Names	EINECS	ELINCS	PICCS	ENCS	DSL
Polyurethane Film	-	-	-	-	-
Tape Adhesive Non Hazardous	-	-	-	-	-
Transfer Scrim Non Hazardous	-	-	-	-	-
Mylar Film Non Hazardous	-	-	-	-	-
Aluminium Foil	-	-	-	-	-
Diethylphthalate	X	-	X	X	X
Barium Sulfate	X	X	X	X	X
Polyvinyl Chloride	-	X	X	X	X
Polyester Fabric	-	-	-	-	-
Silica, Crystalline - Quartz	X	-	X	X	X

Chemical Names	NDSL	TSCA	China	AICS	KECL
Polyurethane Film	-	-	-	-	-
Tape Adhesive Non Hazardous	-	-	-	-	-
Transfer Scrim Non Hazardous	-	-	-	-	-
Mylar Film Non Hazardous	-	-	-	-	-
Aluminium Foil	-	-	-	-	-
Dioctylphthalate	-	X	X	X	X
Barium Sulfate	-	X	X	X	X
Polyvinyl Chloride	-	X	X	X	X
Polyester Fabric	-	-	-	-	-
Silica, Crystalline - Quartz	-	X	X	X	X

## 16. OTHER INFORMATION

<b>Revision Date</b>	2010-05-31
<b>Reason for revision</b>	MSDS authored to support new product.
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<b>Literary reference</b>	Information taken from reference works and the literature

### Key Legend Information

NOHSC - National Occupational Health & Safety Commission {Formerly Worksafe}[Aust]  
ASCC - Australian Safety and Compensation Council [Aust]  
SUSDP - Standard for the Uniform Scheduling of Drugs and Poisons [Aust]  
TWA - Time Weighted Average [Int]  
STEL - Short Term Exposure Limit [Int]  
AICS - Australian Inventory of Chemical Substances [Aust]  
Dangerous Goods - Initial Emergency Response Guide (SAA/SNZ HB76:2004)[Aust]  
EPA - Environmental Protection Agency [Int]  
AS/NZS 1715 - Selection, use and maintenance of respiratory protective devices. [Aust/NZ]  
Hazchem Code - Fire fighters designation [Aust]  
IATA - International Aviation Transport Authority [Int]  
IMDG - International Maritime Dangerous Goods [Int]  
United Nations Recommendations for the Transport of Dangerous Goods and Globally Harmonized System for the classification and labelling of Chemicals [Int]  
EINECS - European Inventory of Existing Commercial Chemical Substances [Int]  
ELINCS - European List of Notified Chemical Substances [Int]  
EU - European Union [Int]  
ADR/RID - European Road & Rail Transportation Union - [Int]

[Aust/NZ] = Australian New Zealand

[Int] = International

**End of MSDS**