



PASSIVETEC[®] TUNNEL LINER

MATERIAL SAFETY DATASHEET

V4 16-12-16 E

LINER BOARD PRODUCTS SUPPLIED BY PASSIVETEC ARE CONSIDERED TO BE INERT ARTICLES AND AS SUCH ARE EXEMPT FROM REQUIREMENTS UNDER THE REACH REGULATION EC 1907/2006 TO PROVIDE A SAFETY DATA SHEET.

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY / UNDERTAKING

1.1 Product identifier

Product Name PassiveTec® Tunnel Liner

1.2 Relevant identified uses (and uses advised against)

Identified Use(s) Lining board for fire protection within tunnels and other underground structures.

Uses Advised Against Not suitable for use as load bearing floor panels.

1.3 Details of the supplier

Company Identification PassiveTec®
SIG plc
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1.4 Emergency telephone number +44 (0)1925 860999 – Office Hours (08:00 – 16:30, Mon – Fri)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008 (CLP)

Additional Information Manufactured article (board) of Magnesium Oxide and other products.

2.2 Label elements No labelling obligation for this article under EU regulation.

2.3 Other hazards Dry working (cutting, drilling, sanding) may give rise to particulates.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	EC No. / REACH Registration No	% w/w	Classification EC 1272/2008	Hazard Pictogram
Magnesium Oxide	1309-48-4	215-171-9 Not yet registered	<50	Not Classified.	None

For full text of Hazard statements see Section 16

4. FIRST AID MEASURES

4.1 Description of first aid measures

General	Dust exposure symptoms.
Inhalation	If coughing, discomfort or obstruction occurs due to inhalation of dust seek medical advice.
Skin Contact	Wipe material from skin. Wash with soap and water.
Eye Contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses (if present) and continue flushing for at least 15 minutes. If eye irritation persists, consult a specialist.
Ingestion	Wash out mouth with water, do not induce vomiting.
Protection	No hazards requiring protective equipment in normal use.

4.2 Most important symptoms and effects, both acute and delayed

General	Product is considered relatively benign.
Inhalation	Irritation of the airway from fine particles generated by mechanical working of the article.
Skin Contact	Prolonged contact by exposed skin may show mild irritation.
Eye Contact	Irritation may occur if product enters eye.
Ingestion	Irritation may occur if ingested.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing Media	Water spray, foam, CO2, Dry-Powder.
Unsuitable extinguishing Media	No additional information available.

5.2 Special hazards

Not considered flammable – A1 reaction to fire classification.

5.3 Advice for fire fighters

Wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions

Wear abrasion resistant gloves.

6.2 Environmental precautions

Do not flush into surface water or sanitary sewer system.

6.3 Methods and material for containment and cleaning up

Small pieces should be collected and disposed of to an identified receptacle.
Dusts should be removed using a high efficiency (HEPA) filter vacuum OR the area should be wetted with fine water spray before sweeping.

6.4 Reference to other sections

No additional information available.

7. HANDLING AND STORAGE

- 7.1 **Precautions for safe handling** Material is friable – minimise contact and handling to reduce the generation of dusts.
- 7.2 **Conditions for safe storage, including any incompatibilities** Store in a dry well ventilated area.
- 7.3 **Specific end use(s)** No additional information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters for workplace

Component	Identifier (CAS/EC)	State	f/cc	8h TWA (mg/m3)	8h TWA (ppm)	STEL 15m (mg/m3)	STEL 15m (ppm)
general dusts (UK EH40)	*	inhalable	*	10	*	*	*
general dusts (UK EH40)	*	respirable	*	4	*	*	*
Magnesium Oxide (UK EH40)	1309-48-4	fume & respirable	*	10	*	*	*
Magnesium Oxide (UK EH40)	1309-48-4	dust	*	4	*	*	*
Magnesium Oxide (OSHA-PEL)	1309-48-4	Nuisance Particulate	*	15	*	*	*
Magnesium Oxide (ACGIH)	1309-48-4	Nuisance Particulate	*	10	*	*	*

8.2 Exposure controls Eye/face protection

Dry working of the material (cutting, drilling, sawing, sanding) has the potential to generate fine dust particles.

Apply positive ventilation in confined spaces if dust becomes evident.

Use on tool high efficiency particulate (HEPA) extraction where possible.

Wet down area before sweeping.



Wear: dust mask EN149 FFP3, eye protection EN166, gloves EN374, disposable/polyester coveralls.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	White sheet
Relative density	@ 950 kg/m ³
Properties other than those listed above	No information available

9.2 Other information No additional information available.

10. STABILITY AND REACTIVITY

Stable Inert article no adverse reactions foreseeable in anticipated conditions of use.

11. TOXICOLOGICAL INFORMATION

Component	Route	Species	Test	Value	Unit
Not classified	*	*	*	*	*

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Component	Route	Species	Test	Value	Unit
Not classified	*	*	*	*	*

12.2	Persistence and degradability	Inert, not degradable.
12.3	Bioaccumulative potential	No indication of bio-accumulation potential.
12.4	Mobility in soil	No indication of mobility in soil.
12.5	Results of PBT and VPVB assessment	This article does not meet the PBT/vPvB criteria of REACH, annex XIII
12.6	Other adverse effects	No additional information available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

13.1.1 Product / packaging disposal Dispose of in accordance with national / local regulations.

13.1.2	Waste treatment – relevant information	Dispose of in accordance with national / local regulations. Mirror Non-Hazardous when classified according to WM3 (European List Of Waste): 17 06 04 "insulation materials other than those mentioned in 17 06 01 and 17 06 03"
13.1.3	Sewage disposal – relevant information	Avoid entry in to sewers and water courses.
13.1.4	Other disposal recommendations	Dispose of in accordance with national / local regulations.

14. TRANSPORT INFORMATION

UN No.	Not classified for transport.
Proper shipping name	Not classified for transport.
Transport hazard class(es)	Not classified for transport.
Packing group	Not classified for transport.
Environmental hazards	Not classified for transport.

15. REGULATORY INFORMATION

- 15.1 **Safety, health and environmental regulations / legislation specific for the substance or mixture**
Articles are excluded from the provision of the REACH regulations (EC) No 1907/2006.
- 15.2 **Chemical Safety Assessment**
No Chemical Safety Assessment is required for this article.

16. OTHER INFORMATION

- 16.2 **Hazards** No statements listed requiring explanation.
- Precautions** No statements listed requiring explanation.

Current revision	4	Dated	16 th December 2016
Previous revision	3	Dated	29 th November 2016

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