# Turf Design 3mm + 9mm PET Acoustic Panel by Armstrong World Industries

**Health Product** Declaration v2.3

Yes ○ No

created via: HPDC Online Builder

**HPD UNIQUE IDENTIFIER: 31135** CLASSIFICATION: 09 50 00 Ceilings

PRODUCT DESCRIPTION: Turf Design designs and manufactures acoustical baffles and wall tiles using PET felt.

# Section 1: Summary

### **Basic Method / Product Threshold**

#### **CONTENT INVENTORY**

**Inventory Reporting Format** 

C Nested Materials Method Basic Method

**Threshold Disclosed Per** 

Material

Product

**Threshold Level** 

C 1,000 ppm C Per GHS SDS

Other

C Partially Completed O Not Completed

Completed

Explanation(s) provided:

**Residuals/Impurities Evaluation** 

Yes ○ No

For all contents above the threshold, the manufacturer has: Yes ○ No

Characterized

Provided weight and role.

Screened

Provided screening results using HPDC-approved

methods.

Identified

Yes ○ No

Provided name and CAS RN or other identifier.

#### CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

PRODUCT | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY

**GREENSCREEN SCORE | HAZARD TYPE** 

TURF DESIGN 3MM + 9MM PET ACOUSTIC PANEL [ POLYETHYLENE TEREPHTHALATE LT-P1 12H-PHTHALOPERIN-12-ONE, 8,9,10,11-TETRACHLORO- LT-P1 9,10-ANTHRACENEDIONE, 1,1'-[(6-PHENYL-1,3,5-TRIAZINE- 2,4-DIYL)DIIMINO]BIS- LT-UNK 9,10-ANTHRACENEDIONE, 1,4-BIS[(2,4,6-TRIMETHYLPHENYL)AMINO]-LT-P1 | MUL 3-(HYDROXYPHENYLPHOSPHINYL)PROPANOIC ACID LT-UNK | EYE OCTADECANAMIDE, N,N'-1,2-ETHANEDIYLBIS- LT-UNK STEARIC ACID LT-P1 | END TITANIUM DIOXIDE LT-1 | CAN | END | MAM ]

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ...

LT-P1, BM-1, LT-1 Nanomaterial ... No

**INVENTORY AND SCREENING NOTES:** 

Residuals / impurities in select raw materials are quantitatively measured and are displayed in the HPD when greater than 100ppm.

### **VOLATILE ORGANIC COMPOUND (VOC) CONTENT**

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional

VOC emissions: UL/GreenGuard Gold Certified

#### **CONSISTENCY WITH OTHER PROGRAMS**

Pre-checked for LEED v4 Option 1. Pre-checked for LEED v4.1 Option 1.

Third Party Verified?

O Yes No

PREPARER: Self-Prepared

VERIFIER:

**VERIFICATION #:** 

SCREENING DATE: 2022-12-05 **PUBLISHED DATE: 2023-01-25** 

EXPIRY DATE: 2025-12-05

# Section 2: Content in Descending Order of Quantity

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold
- · Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.3, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-3-standard

#### **TURF DESIGN 3MM + 9MM PET ACOUSTIC PANEL**

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals / impurities in select raw materials are quantitatively measured and are displayed in the HPD when greater than 100ppm.

OTHER PRODUCT NOTES: This HPD is provided solely for the intended recipient in connection with its assessment of products and for no other purpose. In providing information, AWI expresses no opinion and makes no representations as to the applicability, suitability, accuracy or completeness of the declaration form, or the standards, rules, classifications, warnings, or criteria utilized or referenced therein. Please refer to the Armstrong Commercial Ceilings website for more information on this product.

# POLYETHYLENE TEREPHTHALATE ID: 25038-59-9

HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD SO	CREENING DATE: 2022	-12-05 6:26:27
%: 95.0000 - 100.0000	GreenScreen: LT-P1	RC: None	NANO: Unknown	SUBSTANCE ROLE: Filler
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
None found			No warnings f	ound on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No listing	s found on Additional Hazard Lists

SUBSTANCE NOTES:

### 12H-PHTHALOPERIN-12-ONE, 8,9,10,11-TETRACHLORO-

ID: 20749-68-2

HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD SCREENING DATE: 2022-12-05 6:26:27		2-12-05 6:26:27
%: 0.0000 - 2.0000	GreenScreen: LT-P1	RC: None	NANO: Unknown	SUBSTANCE ROLE: Pigment
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
None found			No warnings	found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
RESTRICTED LIST	Cradle to Cradle Products Innov Institute (C2CPII)	ation	0_0 000000	luct Standard Restricted ) - Effective July 1, 2022
	, · · ,		Core Restrictions	

SUBSTANCE NOTES:

HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD SO	CREENING DATE: 202	2-12-05 6:26:28
%: 0.0000 - 2.0000	GreenScreen: LT-UNK	RC: None	NANO: Unknown	SUBSTANCE ROLE: Pigment
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
None found			No warnings	found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No listin	gs found on Additional Hazard Lists
SUBSTANCE NOTES:				

# 9,10-ANTHRACENEDIONE, 1,4-BIS[(2,4,6-TRIMETHYLPHENYL)AMINO]-

ID: 116-75-6

HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD SO	CREENING DATE: 202	2-12-05 6:26:28
%: 0.0000 - 2.0000	GreenScreen: LT-P1	RC: None	NANO: Unknown	SUBSTANCE ROLE: Pigment
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
MUL	German FEA - Substances Haza Waters	rdous to	Class 2 - Hazard to W	/aters
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No listinç	gs found on Additional Hazard Lists
SUBSTANCE NOTES:				

CARBON BLACK

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-12-05 6:26:29

%: 0.0000 - 2.0000 ALT GreenScreen: BM-1 RC: None NANO: Unknown SUBSTANCE ROLE: Pigment

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CAN	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
EYE	GHS - New Zealand	Eye irritation category 2
CAN	GHS - New Zealand	Carcinogenicity category 2
CAN	GHS - Japan	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION

None found No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Carbon black is bound within the fiber structure and is not inhalable. Accordingly, it is excluded from regulatory hazard lists. It is not in a respirable form in the final product.

ALTERNATE: This substance is an alternate substance to 12H-Phthaloperin-12-one, 8,9,10,11-tetrachloro-.

# 3-(HYDROXYPHENYLPHOSPHINYL)PROPANOIC ACID

ID: 14657-64-8

HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD S	CREENING DATE: 2022-12-05 6:26:30
%: 0.0000 - 1.0000	GreenScreen: LT-UNK	RC: None	NANO: Unknown SUBSTANCE ROLE: Flame retardant
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS
EYE	EU - GHS (H-Statements) Annex	6 Table 3-1	H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1]
EYE	GHS - Australia		H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION
None found			No listings found on Additional Hazard Lists
SUBSTANCE NOTES:			

#### OCTADECANAMIDE, N,N'-1,2-ETHANEDIYLBIS-

ID: 110-30-5

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-12-05 6:26:30

%: 0.0000 - 1.0000 GreenScreen: LT-UNK RC: None NANO: Unknown SUBSTANCE ROLE: Surface modifier

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists
SUBSTANCE NOTES:		

STEARIC ACID ID: 57-11-4

HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD SCREENING DATE: 2022-12-05 6:26:31		
%: 0.0000 - 1.0000	GreenScreen: LT-P1	RC: None	NANO: Unknown	SUBSTANCE ROLE: Stabilizer
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
END	TEDX - Potential Endocrine Disr	uptors	Potential Endocrine [	Disruptor
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No listin	gs found on Additional Hazard Lists
SUBSTANCE NOTES:				

**TITANIUM DIOXIDE** ID: 13463-67-7 HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-12-05 6:26:31 %: 0.0000 - 1.0000 GreenScreen: LT-1 RC: None SUBSTANCE ROLE: Pigment NANO: Unknown **HAZARD TYPE** LIST NAME AND SOURCE **WARNINGS** CAN **US CDC - Occupational Carcinogens** Occupational Carcinogen CAN CA EPA - Prop 65 Carcinogen - specific to chemical form or exposure route CAN **IARC** Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources CAN MAK Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value **END TEDX - Potential Endocrine Disruptors Potential Endocrine Disruptor** CAN MAK Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels EU - GHS (H-Statements) Annex 6 Table 3-1 CAN H351 - Suspected of causing cancer [Carcinogenicity -Category 2] CAN GHS - Japan H351 - Suspected of causing cancer [Carcinogenicity -Category 2] MAM GHS - Japan H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] CAN EU - Annex VI CMRs Carcinogen Category 2 - Suspected human Carcinogen

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022
		Cosmetics & Personal Care Products
POSITIVE LIST	US Environmental Protection Agency (US EPA)	US EPA - DfE Safer Chemicals Ingredients list (SCIL)
	, ,	Colorants - Green Circle (Verified Low Concern)

SUBSTANCE NOTES: Titanium dioxide is bound within the fiber structure and is not inhalable. Accordingly, it is excluded from regulatory hazard lists. It is not in a respirable form in the final product.



This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

#### **VOC EMISSIONS**

#### **UL/GreenGuard Gold Certified**

**CERTIFYING PARTY: Third Party** APPLICABLE FACILITIES: AII

ISSUE DATE: 2021-11-09 EXPIRY DATE: 2023-07-08 CERTIFIER OR LAB: UL

GreenGuard

**CERTIFICATE URL:** 

CERTIFICATION AND COMPLIANCE NOTES: UL 2818 - 2013 Gold Standard for Chemical Emissions for Building Materials, Finishes and Furnishings.



# **Section 4: Accessories**

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

No accessories are required for this product.

# Section 5: General Notes

This HPD is provided solely for the intended recipient in connection with its assessment of products and for no other purpose. In providing information, AWI expresses no opinion and makes no representations as to the applicability, suitability, accuracy or completeness of the declaration form, or the standards, rules, classifications, warnings, or criteria utilized or referenced therein. Please refer to the Armstrong Commercial Ceilings website for more information on this product.

#### MANUFACTURER INFORMATION

MANUFACTURER: Armstrong World Industries

ADDRESS: Armstrong World Industries

2500 Columbia Ave Lancaster PA 17603, USA WEBSITE: https://turf.design/ CONTACT NAME: Robert Krecji

TITLE: Sr. Manager, Product Development

PHONE: 844.TURF.OMG EMAIL: r.krejci@turf.design

The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.

### KEY

**Hazard Types** 

**AQU** Aquatic toxicity

**CAN** Cancer

**DEV** Developmental toxicity **END** Endocrine activity

EYE Eye irritation/corrosivity

**GEN** Gene mutation

**GLO** Global warming

LAN Land toxicity

MAM Mammalian/systemic/organ toxicity

MUL Multiple
NEU Neurotoxicity

NF Not found on Priority Hazard Lists

**OZO** Ozone depletion

PBT Persistent, bioaccumulative, and toxic

PHY Physical hazard (flammable or reactive)

**REP** Reproductive

**RES** Respiratory sensitization

SKI Skin sensitization/irritation/corrosivity

**UNK** Unknown

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)

BM-3 Benchmark 3 (use but still opportunity for improvement)

BM-2 Benchmark 2 (use but search for safer substitutes)

BM-1 Benchmark 1 (avoid - chemical of high concern)

BM-U Benchmark Unspecified (due to insufficient data)

LT-P1 List Translator Possible 1 (Possible Benchmark-1)

LT-1 List Translator 1 (Likely Benchmark-1)
LT-UNK List Translator Benchmark Unknown

NoGS No GreenScreen.

GreenScreen Benchmark scores sometimes also carry subscripts, which provide more context for how the score was determined. These are DG (data gap), TP (transformation product), and CoHC (chemical of high concern). For more information, see 2.2.2.4 GreenScreen® for Safer Chemicals, www.greenscreenchemicals.org, and Best Practices for Hazard Screening on the HPDC website (hpd-collaborative.org).

#### **Recycled Types**

PreC Pre-consumer recycled content

PostC Post-consumer recycled content

UNK Inclusion of recycled content is unknown

None Does not include recycled content

#### Other Terms:

GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

#### **Inventory Methods:**

Nested Method / Material Threshold Substances listed within each material per threshold indicated per material Nested Method / Product Threshold Substances listed within each material per threshold indicated per product

Basic Method / Product Threshold Substances listed individually per threshold indicated per product

Nano Composed of nano scale particles or nanotechnology

Third Party Verified Verification by independent certifier approved by HPDC

Preparer Third party preparer, if not self-prepared by manufacturer

Applicable facilities Manufacturing sites to which testing applies

The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:

- a method for the assessment of exposure or risk associated with product handling or use,
- a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.

Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.

The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this