

+ Section 1: Summary

Nested Method/Product Threshold

CONTENT INVENTORY

Inventory Reporting Format

- Nested Materials Method
- Basic Method

Threshold Disclosed Per

- Material
- Product

Threshold Level

- 100 ppm
- 1,000 ppm
- Per GHS SDS
- Per OSHA MSDS
- Other

Residuals/Impurities

Residuals and impurities considered in 0 of 4 materials

Explanation(s) provided for

Residuals/Impurities?
 Yes No

All Substances Above the Threshold Indicated Are:

Characterized Yes Ex/SC Yes No
% weight and role not provided for all substances and/or one or more SC did not follow guidance

Screened Yes Ex/SC Yes No
One or more not screened using Priority Hazard Lists with results disclosed and/or one or more SC did not follow guidance

Identified Yes Ex/SC Yes No
One or more not disclosed by Name (Specific or Generic) and identifier and/or one or more SC did not follow guidance

SC = Special Condition (See Notes)

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.

MATERIAL | **SUBSTANCE** GREENSCREEN SCORE HAZARD TYPE;

POLY(ETHYLENE TEREPHTHALATE)(PET) | **PET** NOGS ; **N N'-ETHYLENE BIS(STEARAMIDE)** | **OCTADECANAMIDE NN'-12-ETHANEDIYLBIS-** LT-UNK ; **TITANIUM DIOXIDE (TIO2)** | **TITANIUM DIOXIDE** LT-1 CAN | **END;ANTIOXIDANT 1076** | **BENZENEPROPANOIC ACID 35-BIS(11-DIMETHYLETHYL)-4-HYDROXY- OCTADECYL ESTER** LT-P1 ;

Number of GreenScreen® BM-4/BM-3 contents: 0

Contents highest concern GreenScreen® Benchmark or List Translator Score: LT - 1

Nanomaterial: No contents are characterized as a nanomaterial

INVENTORY AND SCREENING NOTES

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients Option 2.

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE:

PUBLISHED DATE: Not published on the HPDC repository

EXPIRY DATE: Not published on the HPDC repository



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 2.1.1, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-1-standard

POLY(ETHYLENE TEREPHTHALATE)(PET)

%: 99

HPD URL:

MATERIAL THRESHOLD: RESIDUALS AND IMPURITIES CONSIDERED: Not Considered
 RESIDUAL/IMPURITIES NOTES:
 OTHER MATERIAL NOTES:

PET

ID: 25035-59-9

%: 100 GS: NoGS RC: PreC NANO: UNK ROLE: Polymer
 HAZARD TYPE AGENCY AND LIST TITLES WARNINGS
 None Found No warnings found on HPD Priority Lists
 SUBSTANCE NOTES:

N N'-ETHYLENE BIS(STEARAMIDE)

%: 0.3

HPD URL:

MATERIAL THRESHOLD: RESIDUALS AND IMPURITIES CONSIDERED: Not Considered
 RESIDUAL/IMPURITIES NOTES:
 OTHER MATERIAL NOTES:

OCTADECANAMIDE NN'-12-ETHANEDIYLBIS-

ID: 110-30-5

%: 100 GS: LT-UNK RC: None NANO: UNK ROLE: Lubricant
 HAZARD TYPE AGENCY AND LIST TITLES WARNINGS
 None Found No warnings found on HPD Priority Lists
 SUBSTANCE NOTES:

TITANIUM DIOXIDE (TiO2)

%: 0.2

HPD URL:

MATERIAL THRESHOLD: RESIDUALS AND IMPURITIES CONSIDERED: Not Considered
 RESIDUAL/IMPURITIES NOTES:
 OTHER MATERIAL NOTES:

TITANIUM DIOXIDE

ID: 13463-67-7

%: 100 GS: LT-1 RC: None NANO: UNK ROLE: Pigment
 HAZARD TYPE AGENCY AND LIST TITLES WARNINGS
 CAN CA EPA - Prop 65 cancer
 CAN IARC 2B
 CAN MAK Carc. 4

CAN

US CDC - Occupational Carcinogens

Occupational Carcinogen

END

TEDX - Potential Endocrine Disruptor

Potential Endocrine Disruptor

SUBSTANCE NOTES:

ANTIOXIDANT 1076

%: 0.2

HPD URL:

MATERIAL THRESHOLD:

RESIDUALS AND IMPURITIES CONSIDERED: Not Considered

RESIDUAL/IMPURITIES NOTES:

OTHER MATERIAL NOTES:

BENZENEPROPANOIC ACID 35-BIS(11-DIMETHYLETHYL)-4-HYDROXY- OCTADECYL ESTER ID: 2082-79-3

%: 100

GS: LT-P1

RC: None

NANO: UNK

ROLE: Antioxidant

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None Found

No warnings found on HPD Priority Lists

SUBSTANCE NOTES:



Section 3: Certifications and Compliance

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.



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



Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: Turf Design
ADDRESS:
2737 W. Diversey Ave. Chicago Illinois 60647 USA

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KEY

OSHA MSDS Occupational Safety and Health Administration Material Safety Data Sheet
GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

Hazard Types

AQU	Aquatic toxicity	GLO	Global warming	PHY	Physical Hazard (reactive)
CAN	Cancer	MAM	Mammalian/systemic/ organ toxicity	REP	Reproductive toxicity
DEV	Developmental toxicity	MUL	Multiple hazards	RES	Respiratory sensitization
END	Endocrine activity	NEU	Neurotoxicity	SKI	Skin sensitization/ Irritation/corrosivity
EYE	Eye irritation/corrosivity	OZO	Ozone depletion	LAN	Land toxicity
GEN	Gene mutation	PBT	Persistent Bioaccumulative Toxic	NF	Not found on Priority Hazard Lists

GreenScreen (GS)

BM-4	Benchmark-4 (prefer – safer chemical)	LT-P1	List Translator Possible Benchmark 1
BM-3	Benchmark-3 (use but still opportunity for improvement)	LT-1	List Translator Likely Benchmark 1
BM-2	Benchmark-2 (use but search for safer substitutes)	LT-UNK	List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
BM-1	Benchmark-1 (avoid – chemical of high concern)		
BM-U	Benchmark Unspecified (insufficient data to benchmark)	NoGS	Unknown (no data on List Translator Lists)

Recycled Types

PreC	Preconsumer (Post-Industrial)
PostC	Postconsumer
Both	Both Preconsumer and Postconsumer
Unk	Inclusion of recycled content is unknown
None	Does not include recycled content

Other Terms

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 nanoscale 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 v2.1.1 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 HPD and for compliance with the HPD standard noted.