

Section 1: Summary

CONTENT INVENTORY

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

- Residuals and impurities considered in 1 of 1 materials
- see Section 2: Material Notes
 - see Section 5: General Notes

Based on the selected Content Inventory Threshold:

Characterized.....	<input checked="" type="radio"/>	<input type="radio"/>
Are the Percent Weight and Role provided for all substances?	Yes	No
Screened.....	<input checked="" type="radio"/>	<input type="radio"/>
Are all substances screened using Priority Hazard Lists with results disclosed?	Yes	No
Identified.....	<input checked="" type="radio"/>	<input type="radio"/>
Are all substances disclosed by Name (Specific or Generic) and Identifier?	Yes	No

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** | *RESIDUAL OR IMPURITY*
GREENSCREEN SCORE | HAZARD TYPE

TREVIRA CS FR [**POLYESTER** **NoGS**]

Number of Greenscreen BM-4/BM3 contents..... 0
Contents highest concern GreenScreen Benchmark or List translator Score..... UNK
Nanomaterial..... No

INVENTORY AND SCREENING NOTES:

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE

VOC emissions: GreenGuard Gold

See Section 3 for additional listings.

<input checked="" type="radio"/> Self-Published*	VERIFIER:	SCREENING DATE: July 27, 2017	EXPIRY DATE*: July 27, 2020
<input type="radio"/> Third Party Verified	VERIFICATION #:	RELEASE DATE: July 27, 2017	* or within 3 months of significant change in product contents
*See HPDC website for details			



Section 2: Content in Descending Order of Quantity

This section lists materials in a product and the substances in each material based on the Inventory Threshold for each material. If residuals or impurities from the manufacturing or extraction processes are considered for a material, these are inventoried and characterized to the extent described in the Material and/or General Notes. Chemical substances are screened against the HPD Priority Hazard Lists for human and environmental health impacts. Screening is based on best available information; "Not Found" does not necessarily mean there is no potential hazard associated with the product or its contents. More information about Priority Hazard Lists and the GreenScreen can be found online: www.hpd-collaborative.org and www.greenscreenchemicals.org.

TREVIRA CS FR

%: 100.0000

HPD URL:

Inventory Threshold: 1000 ppm

Residuals Considered: Yes

Material Notes: Trevira CS polymers are produced by using the monomers Terephthalic acid (C, H, O) and Ethylene glycol (C, H, O) and a small amount of a phosphorus containing organic substance (C, H, O, P; co-monomer) which is covalently built into the Polyethylene terephthalate polymer chain and causing the inherently "flame retardant" property of the "FR" polymer (modification). Trevira CS polymers do also contain Titanium dioxide (TiO2) as a delustring agent: < 0.5 % w/w for semidull and < 0.1 % for bright filament yarns.

POLYESTER

ID: 113669-95-7

%: 100.0000

GS: NoGS

RC: None

NANO: NO

ROLE: Yarn building material

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Trevira CS filament yarns are articles which are not classified as "dangerous substances" according to the criteria of European Commission Trevira herewith confirms that: - Nonylphenol, mixed isomers (CAS# 25154-52-3) - 4-Nonylphenol (CAS# 104-40-5) - 4-Nonylphenol, branched (CAS# 84852-15-3) - Octylphenol(CAS#27193-28-8) - 4-Octylphenol (CAS# 1806-26-4) - 4-tert-Octylphenol (CAS#140-66-9) - Alkylphenoethoxylate (APEOS) and their derivates: o Polyoxyethylated octyl phenol (CAS# 9002-93-1) o Polyoxyethylated nonyl phenol (CAS# 9016-45-9 o Polyoxyethylated p-nonyl phenol (CAS# 26027-38-3) - Bis(hydrogenated tallow alkyl) dimethyl ammonium chloride (DTDMAC) - Distearyl dimethyl ammonium chloride (DSDMAC) - Di(hardened tallow) dimethyl ammonium chloride (DHTDMAC) - Ethylene diamine tetra acetate (EDTA) - Diethylene triamine penta acetate (DTPA) - 4-(1,1,3,3-tetramethylbutyl)phenol - 1-Methyl-2-pyrrolidone - Nitrioltriacetic acid (NTA) ...are not intentionally used in the manufacturing of the above mentioned Trevira CS products and therefore are not expected to be present in these products in the delivering state.



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.

VOC EMISSIONS

CERTIFYING PARTY: Third Party

APPLICABLE FACILITIES: Building Materials, Finishes and Furnishings

CERTIFICATE URL: <http://greenguard.org/en/index.aspx>

CERTIFICATION AND COMPLIANCE NOTES:

GreenGuard Gold

ISSUE DATE:

2007-06-06

EXPIRY DATE:

2018-06-06

CERTIFIER OR LAB: UL

Environment



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.



Section 5: General Notes

Complies with Öko-Tex 100 No use of AZO dyes, which may split off carcinogenic acrylamines No use of dyes containing heavy metals No content of formaldehyde No use of brominated flame retardants Biodegradable spinning oil We adhere to the limits set by the Danish Environmental Protection Agency's "List of undesirable substances For further information kvadrat.dk

**MANUFACTURER INFORMATION**

MANUFACTURER: Kvadrat A/S

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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) BM-2
Benchmark 2 (use but search for safer substitutes)**LT-1** List Translator Likely Benchmark 1**BM-1** Benchmark 1 (avoid - chemical of high concern)**LT-UNK** List Translator Benchmark Unknown (insufficient
information from List Translator lists to benchmark)**BM-U** Benchmark Unspecified (insufficient data to benchmark)**UNK** 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

Nano Composed of nanoscale particles or nanotechnology

Declaration Level

Self-declared Manufacturer's self-declaration (First Party)**Independent Lab** Manufacturer's self-declaration using results from an independent lab**Second Party** Verification by trade association or other interested party**Third Party** Verification by independent certifier**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 does not provide an assessment of health impacts throughout the product life cycle. It does not provide an assessment of exposure or risk associated with product handling or use. It also does not address potential health impacts of: (i) substances used or created during the manufacturing process unless they remain in the final product, or (ii) substances created after the product is delivered for end use (e.g., if the product burns, degrades, or otherwise changes chemical composition).

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

A disclosure completed in compliance with the HPD Open Standard is referred to as a "Health Product Declaration," or "HPD." 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 Open Standard noted.