

HPD UNIQUE IDENTIFIER: 27186

CLASSIFICATION: 10 26 16.16 Protective Corridor Handrails

PRODUCT DESCRIPTION: The 3100 Series Handrail combines superior impact protection with a comfortable grip and hundreds of style options. Choose a round or oval top profile and get continuous wall protection from the internal vinyl bumper on the lower portion of the handrail. The 3100 Series meets safety codes with ADA and ANSI compliance. The non-PVC cover is manufactured with G2 BioBlend® Inpro's exclusive reformulated PETG made with a corn-based biopolymer

Section 1: Summary

Nested Method / Material Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold Level	Residuals/Impurities	All Substances Above the Threshold Indicated Are:
☒ Nested Materials Method	☒ 100 ppm	Considered in 4 of 4 Materials	Characterized ☐ Yes Ex/SC ☒ Yes ☐ No
☐ Basic Method	☐ 1,000 ppm		% weight and role provided for all substances.
Threshold Disclosed Per		Explanation(s) provided for Residuals/Impurities?	Screened ☐ Yes Ex/SC ☒ Yes ☐ No
☒ Material	☐ Per GHS SDS		All substances screened using Priority Hazard Lists with results disclosed.
☐ Product	☐ Other	☒ Yes ☐ No	Identified ☐ Yes Ex/SC ☐ Yes ☒ No
			One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.

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
ALUMINUM [ALUMINUM NoGS SILICON LT-UNK IRON LT-P1 | END
MAGNESIUM LT-UNK | PHY ZINC LT-P1 | AQU | PHY | END | MUL] G2
BIOBLEND RESIN [POLYETHYLENE TEREPHTHALATE GLYCOL
(PETG) NoGS UNDISCLOSED NoGS UNDISCLOSED NoGS]
DESIGNER WHITE PIGMENT [POLYETHYLENE TEREPHTHALATE
GLYCOL (PETG) NoGS UNDISCLOSED LT-1 | CAN | END] FIRE
RETARDANT [UNDISCLOSED NoGS UNDISCLOSED BM-1]

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

Contents highest concern GreenScreen
Benchmark or List translator Score ... BM-1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

This HPD utilizes Designer White pigment, however all pigment colors have a similar chemical makeup

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: UL/GreenGuard Gold Certified
Multi-attribute: Environmental Product Declaration (EPD) by UL

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients Option 1

Third Party Verified? ☐ Yes ☒ No	PREPARER: Self-Prepared VERIFIER: VERIFICATION #:	SCREENING DATE: 2020-08-11 PUBLISHED DATE: 2022-01-20 EXPIRY DATE: 2023-08-11
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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 2.2, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-2-standard

ALUMINUM

?: 81.0000

MATERIAL THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were considered in this HPD

OTHER MATERIAL NOTES:

ALUMINUM

ID: 91728-14-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-08-11 19:50:18

?: 0.9900

GS: NoGS

RC: Both

NANO: No

SUBSTANCE ROLE: Monomer

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

SILICON

ID: 7440-21-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-08-11 19:50:18

?: 0.0100

GS: LT-UNK

RC: Both

NANO: No

SUBSTANCE ROLE: Monomer

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

IRON

ID: 7439-89-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-08-11 19:50:18

?: 0.0100

GS: LT-P1

RC: Both

NANO: No

SUBSTANCE ROLE: Monomer

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

END

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES:

MAGNESIUM

ID: 7439-95-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-08-11 19:50:18

%: 0.0100		GS: LT-UNK	RC: Both	NANO: No	SUBSTANCE ROLE: Monomer
HAZARD TYPE		AGENCY AND LIST TITLES		WARNINGS	
PHY		EU - GHS (H-Statements)		H250 - Catches fire spontaneously if exposed to air	
PHY		EU - GHS (H-Statements)		H260 - In contact with water releases flammable gases which may ignite spontaneously	
SUBSTANCE NOTES:					

ZINC			ID: 7440-66-6		
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2020-08-11 19:50:19		
%: 0.0100	GS: LT-P1	RC: Both	NANO: No	SUBSTANCE ROLE: Monomer	
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS			
AQU	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life			
AQU	EU - GHS (H-Statements)	H410 - Very toxic to aquatic life with long lasting effects			
PHY	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air			
PHY	EU - GHS (H-Statements)	H260 - In contact with water releases flammable gases which may ignite spontaneously			
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor			
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters			
SUBSTANCE NOTES:					

G2 BIOBLEND RESIN		%: 17.2600	
MATERIAL THRESHOLD: 100 ppm		RESIDUALS AND IMPURITIES CONSIDERED: Yes	MATERIAL TYPE: Polymeric Material
RESIDUALS AND IMPURITIES NOTES: Residuals and impurities have been considered for this product			
OTHER MATERIAL NOTES:			

POLYETHYLENE TEREPHTHALATE GLYCOL (PETG)			ID: 25640-14-6		
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2020-08-11 19:50:17		
%: 72.0000 - 72.0000		GS: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists			
SUBSTANCE NOTES: None					

UNDISCLOSED			ID: Undisclosed		
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2020-08-11 19:50:17		
%: 14.9000 - 14.9000		GS: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
None found			No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: Propriety according to supplier request					

UNDISCLOSED			ID: Undisclosed		
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2020-08-11 19:50:18		
%: 13.0000 - 13.0000		GS: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists			
SUBSTANCE NOTES: Propriety according to supplier request					

DESIGNER WHITE PIGMENT		%: 0.7700	
MATERIAL THRESHOLD: 100 ppm		RESIDUALS AND IMPURITIES CONSIDERED: Yes	MATERIAL TYPE: Polymeric Material
RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were considered in this material			
OTHER MATERIAL NOTES: None			

POLYETHYLENE TEREPHTHALATE GLYCOL (PETG)				ID: 25640-14-6
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-08-11 19:50:17		
%: 63.5000	GS: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: None				

UNDISCLOSED				ID: Undisclosed	
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-08-11 19:50:17			
%: 35.0800 - 35.0800		GS: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES		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		
SUBSTANCE NOTES: Propriety according to supplier request					

FIRE RETARDANT		%: 0.2000
MATERIAL THRESHOLD: 100 ppm	RESIDUALS AND IMPURITIES CONSIDERED: Yes	MATERIAL TYPE: Polymeric Material
RESIDUALS AND IMPURITIES NOTES: Residuals and impurities have been considered for this material		
OTHER MATERIAL NOTES: None		

UNDISCLOSED			ID: Undisclosed		
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2020-08-11 19:50:16		
%: 90.0000 - 90.0000		GS: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Flame retardant
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
None found			No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: Proprietary based on supplier information.					

UNDISCLOSED			ID: Undisclosed		
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2020-08-11 19:50:17		
%: 25.0000 - 25.0000		GS: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Flame retardant
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
None found			No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: Proprietary based on supplier information.					

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	UL/GreenGuard Gold Certified		
CERTIFYING PARTY: Third Party	ISSUE DATE: 2009-03-12	EXPIRY DATE: 2022-03-12	CERTIFIER OR LAB: UL
APPLICABLE FACILITIES: All			
CERTIFICATE URL: https://spot.ul.com/main-app/products/detail/5ad1e81d55b0e82d946a0bc4?page_type=Products%20Catalog			
CERTIFICATION AND COMPLIANCE NOTES: Certificate # 6626-420			

MULTI-ATTRIBUTE	Environmental Product Declaration (EPD) by UL		
CERTIFYING PARTY: Third Party	ISSUE DATE: 2019-10-01	EXPIRY DATE: 2024-09-30	CERTIFIER OR LAB: UL
APPLICABLE FACILITIES: All			
CERTIFICATE URL: https://spot.ul.com/main-app/products/detail/5ad1ea7255b0e82d946a4dcc?page_type=Products%20Catalog			
CERTIFICATION AND COMPLIANCE NOTES:			

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.

HARDWARE	HPD URL: No HPD Available
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:	
Hardware is used to secure the aluminum retainer portion of the handrail to the wall. Hardware can include: 1/4-20 x #5" Philips hex head bolt with toggle wing and lock washers, 1/4-20 x 5" Philips head hex bolt with lead anchor and lock washers, 1/4" x 5" hex head wood screws and lock washers, #14 x 4" indented hex washers with zinc-plated TEK screws, 1/4-20 x 5" Philips hex head bolt with lock washers and 1/4" Hilti toggler, 1/4" x 4" Torx hex washer head screws (Hilti Kwik-Con II) and lock washers, and/or 1/4" x5" hex head wood screws and lock washers	

Section 5: General Notes

Round Option: 6-1/8" (155mm) height - Oval Option: 5-3/4" (147mm) height - .080" (2mm) vinyl cover - .080" (2mm) continuous aluminum retainer - .070" (1.8mm) continuous impact bumper - Oval & Round profile options - One piece vinyl bottom cover - Meet safety code with ADA and ANSI compliance - Minimize seams with standard 12' rigid vinyl lengths - Designed for behavioral health units, our ligature-resistant* continuous mounting bracket eliminates the gap between drywall and handrail by providing a wood fill along the entire length

MANUFACTURER INFORMATION

MANUFACTURER: Inpro
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 Muskego Wisconsin 53150, United States
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CONTACT NAME: Jess Jenkins
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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	LAN Land toxicity	PHY Physical hazard (flammable or reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive
DEV Developmental toxicity	MUL Multiple	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	NF Not found on Priority Hazard Lists	UNK Unknown
GEN Gene mutation	OZO Ozone depletion	
GLO Global warming	PBT Persistent, bioaccumulative, and toxic	

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-1 List Translator 1 (Likely Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-UNK List Translator Benchmark Unknown (the chemical is present on at least one GreenScreen Specified List, but the information contained within the list did not result in a clear mapping to a LT-1 or LTP1 score.)
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)	NoGS No GreenScreen.

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 HPD and for compliance with the HPD standard noted.