G2 BioBlend 150 Surface Mount Corner Guard in Designer White by Inpro

Health Product Declaration v2.1.1

created via: HPDC Online Builder

CLASSIFICATION: 10 26 00

PRODUCT DESCRIPTION: Conceal previous dings and scrapes with a variety of wing sizes, angles and heights. Achieve a finished look with color coordinated top and bottom caps included with every unit. 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

Nested Materials Method C Basic Method

Threshold Disclosed Per

 Material C Product Threshold level

€ 100 ppm C 1.000 ppm

C Per GHS SDS C Per OSHA MSDS

C Other

Residuals/Impurities

Residuals/Impurities Considered in 4 of 4 Materials

for Residuals/Impurities? € Yes € No

All Substances Above the Threshold Indicated Are:

 ○ Yes Ex/SC Yes No Characterized

% weight and role provided for all substances.

 ○ Yes Ex/SC Yes No Screened

All substances screened using Priority Hazard Lists with results disclosed.

O Yes Ex/SC O Yes @ No. Identified

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 I SUBSTANCE I RESIDUAL OR IMPURITY

GREENSCREEN SCORE | HAZARD TYPE

ALUMINUM [ALUMINUM LT-P1 | RES | PHY | END MAGNESIUM LT-UNK | PHY SILICON LT-UNK IRON LT-P1 END COPPER LT-UNK MANGANESE LT-P1 | END | MUL | REP CHROMIUM LT-P1 | RES | END | SKI ZINC LT-P | AQU | PHY | END | MUL | 32 BIOBLEND RESIN | POLYETHYLENE TEREPHTHALATE GLYCOL (PETG) NOGS
POLYLACTIDE RESIN NOGS POLYESTER NOGS DILACTIDE LT-UNK 1,2-BIS(OCTADECANAMIDO)ETHANE LT-UNK | FIRE RETARDANT | UNDISCLOSED NOGS UNDISCLOSED BM-1 | 1 G2 DESIGNER WHITE PIGMENT | POLYETHYLENE TEREPHTHALATE GLYCOL (PETG) NOGS TITANIUM DIDXIDE [T-1] (ZAN | END 1,2-BIS(OCTADECANAMIDO)ETHANE LT-UNK ULTRAMARINE (PIGMENT) LT-UNK C.I. PIGMENT VIOLET 15 LT-P1 | MUL C.I. PIGMENT BLACK 28 LT-UNK]

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:

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: Greenguard

VOC emissions: Greenquard Gold

Multi-attribute: Environmental Product Declaration

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

PREPARER: Self-Prepared VERIFICATION #:

SCREENING DATE: 2019-03-05 PUBLISHED DATE: 2019-03-05 EXPIRY DATE: 2022-03-05

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

w.npu-conaporative.org/npu-z-1-stanua	nu .						
ALUMINUM		%: 62.5900					
MATERIAL THRESHOLD: 100 ppm		RESIDUALS AND IMPURITIES CONSIDERED: Yes					
RESIDUALS AND IMPURITIES NOTES: Residuals	s and impurities were considered in this	material					
OTHER MATERIAL NOTES: None							
ALUMINUM		ID:	7429-90-5				
HAZARD SCREENING METHOD: Pharos Chemica	al and Materials Library	HAZARD SCREENING DATE: 2019-03-05					
%: 99.3500	gs: LT-P1	RC: None NANO: No ROLE: Aluminum Ingredient					
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS					
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced					
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H228 - Flammable solid					
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air					
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H261 - In contact with water releases flammable gases					
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor					
SUBSTANCE NOTES: None							
MAGNESIUM		ID: 1	7439-95-4				
HAZARD SCREENING METHOD: Pharos Chemica	al and Materials Library	HAZARD SCREENING DATE: 2019-03-05					
%: 0.9000	gs: LT-UNK	RC: None NANO: No ROLE: Aluminum Ingredient					
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS					
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air					
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H260 - In contact with water releases flammable gases which may ignite spontan	neously				
SUBSTANCE NOTES: None							
SUBSTANCE NOTES: NOTE							
I							
SILICON HAZARD SCREENING METHOD: Pharos Chemica	al and Materials Library		7440-21-3				
%: 0.6000	GS: LT-UNK	HAZARD SCREENING DATE: 2019-03-05 RC: None NANO: No ROLE: Aluminum Ingredient					
76. 0.0000	do. El-ONIX	NO. NOTE NAME NO. NO NOTE AUTHINITY INSPECTION.					
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS					
	No hazards found						
SUBSTANCE NOTES: None							
IRON		ID: 7	7439-89-6				
HAZARD SCREENING METHOD: Pharos Chemica	al and Materials Library	HAZARD SCREENING DATE: 2019-03-05					
%: 0.3500	GS: LT-P1	RC: None NANO: No ROLE: Aluminum Ingredient					
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS					
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor					

COPPER

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-03-05

%: 0.1000

GS: LT-UNK

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

ID: 7440-50-8

MAZARD SCREENING DATE: 2019-03-05

ROLE: Aluminum Ingredient

WARNINGS

SUBSTANCE NOTES: None

MANGANESE ID: **7439-96-5** HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2019-03-05 %: **0.1000** GS: **LT-P1** RC: None NANO: No ROLE: Aluminum Ingredient HAZARD TYPE AGENCY AND LIST TITLES WARNINGS ENDOCRINE Potential Endocrine Disruptor TEDX - Potential Endocrine Disruptors MULTIPLE German FEA - Substances Hazardous to Waters Class 2 - Hazard to Waters REPRODUCTIVE Japan - GHS Toxic to reproduction - Category 1B

SUBSTANCE NOTES: None

	CHROMIUM						ID: 7440-47-3
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		flaterials Library	HAZARD SCREENING DATE: 2019-03-05				
	%: 0.1000	gs: LT-P1	RC: Non	е	nano: No	ROLE: Aluminum Ingredient	
	HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS			
	RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced				
	ENDOCRINE	TEDX - Potential Endocrine Disruptors		Potential Endocrine Disruptor			
	SKIN SENSITIZE	NSITIZE MAK		Sensitizing Substance Sh - Danger of skin sensitization			
	SUBSTANCE NOTES: None						

ZINC				ID: 7440)-66-6	
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCRE	HAZARD SCREENING DATE: 2019-03-05			
%: 0.1000	gs: LT-P1	RC: None	nano: No	ROLE: Aluminum Ingredient		
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS				
ACUTE AQUATIC	EU - GHS (H-Statements)	H4	H400 - Very toxic to aquatic life			
CHRON AQUATIC EU - GHS (H-Statements)		H4	H410 - Very toxic to aquatic life with long lasting effects			
PHYSICAL HAZARD (REACTIVE) EU - GHS (H-Statements)		H2	H250 - Catches fire spontaneously if exposed to air			
PHYSICAL HAZARD (REACTIVE)	YSICAL HAZARD (REACTIVE) EU - GHS (H-Statements)		H260 - In contact with water releases flammable gases which may ignite spontaneously			
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Po	Potential Endocrine Disruptor			
MULTIPLE German FEA - Substances Hazardous to Waters		Cla	Class 2 - Hazard to Waters			
SUBSTANCE NOTES: None						

G2 BIOBLEND RESIN

%: 30.5100

MATERIAL THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

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

POLYETHYLENE TEREPHTHALATE	GLYCOL (PETG)		ID: 25640-14-6
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-03-05	
%: 72.0000 - 72.0000	gs: NoGS	RC: None NANO: No ROLE: Resin Ingred	ient
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS	
	No hazards found		
SUBSTANCE NOTES: None			
POLYLACTIDE RESIN			ID: 9051-89-2
HAZARD SCREENING METHOD: Pharos Chei	mical and Materials Library	HAZARD SCREENING DATE: 2019-03-05	
%: 14.7000 - 14.7000	GS: NoGS	RC: None NANO: No ROLE: Resin Ingred	ient
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS	
	No hazards found		
SUBSTANCE NOTES: None			
POLYESTER			ID: 113669-95-7
HAZARD SCREENING METHOD: Pharos Chei	mical and Materials Library	HAZARD SCREENING DATE: 2019-03-05	
%: 13.0000	GS: NoGS	RC: None NANO: No ROLE: Resin	ngredient
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS	
	No hazards found		
SUBSTANCE NOTES: Resin ingredient.			
_			
DILACTIDE			ID: 95-96-5
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-03-05	
%: 4.5000 - 4.5000	gs: LT-UNK	RC: None NANO: No ROLE: Resin Ing	redient
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS	
	No hazards found		
SUBSTANCE NOTES: None			
1,2-BIS(OCTADECANAMIDO)ETHAN	E		ıD: 110-30-5
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-03-05	
%: 1.2000 - 1.2000	GS: LT-UNK	RC: None NANO: No ROLE: Resin Ing	edient
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS	
	No hazards found		
SUBSTANCE NOTES: None			
FIRE RETARDANT		%: 3.7300	
MATERIAL THRESHOLD: 100 ppm		RESIDUALS AND IMPURITIES CONSIDERED: Yes	

G2 BioBlend 150 Surface Mount Corner Guard in Designer White hpdrepository.hpd-collaborative.org

OTHER MATERIAL NOTES: None

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

UNDISCLOSED HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2019-03-05 %: 80.0000 GS: NoGS RC: None NANO: **No** ROLE: Fire Retardant Ingredient HAZARD TYPE AGENCY AND LIST TITLES WARNINGS No hazards found SUBSTANCE NOTES: Proprietary based on supplier information. UNDISCLOSED HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2019-03-05 %: **25.0000** RC: None NANO: No ROLE: Fire Retardant Ingredient HAZARD TYPE AGENCY AND LIST TITLES WARNINGS No hazards found SUBSTANCE NOTES: Proprietary based on supplier information. **G2 DESIGNER WHITE PIGMENT** %: 1.2800 - 1.2800 MATERIAL THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were considered in this material OTHER MATERIAL NOTES: None POLYETHYLENE TEREPHTHALATE GLYCOL (PETG) ID: Undisclosed HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2019-03-05 %: 63.5000 GS: NoGS BC: None NANO: No ROLE: Pigment ingredient HAZARD TYPE AGENCY AND LIST TITLES No hazards found SUBSTANCE NOTES: Residuals have been considered **TITANIUM DIOXIDE** ID: 13463-67-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2019-03-05 %: 35.0800 - 35.0800 GS: **LT-1** NANO: **No** ROLE: Pigment Ingredient RC: None HAZARD TYPE AGENCY AND LIST TITLES WARNINGS CANCER US CDC - Occupational Carcinogens Occupational Carcinogen CANCER CA EPA - Prop 65 Carcinogen - specific to chemical form or exposure route CANCER Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources ENDOCRINE TEDX - Potential Endocrine Disruptors Potential Endocrine Disruptor CANCER Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value CANCER MAK Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

 1,2-BIS(OCTADECANAMIDO)ETHANE

 HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

 HAZARD SCREENING DATE: 2019-03-05

 %: 1.0000 - 1.0000

 GS: LT-UNK

 RC: None
 NANO: No
 ROLE: Pigment Ingredient

SUBSTANCE NOTES: None

HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
	No hazards found				
SUBSTANCE NOTES: None					
ULTRAMARINE (PIGMENT)					ID: 57455-37-5
HAZARD SCREENING METHOD: Pharos Chemic	cal and Materials Library	HAZARD SCREE			
%: 0.1700 - 0.1700	GS: LT-UNK	RC: None	nano: No	ROLE: Pigment Ingredient	
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
	No hazards found				
SUBSTANCE NOTES: None					
C.I. PIGMENT VIOLET 15					ID: 12769-96-9
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-03-05			
%: 0.1700 - 0.1700	GS: LT-P1	RC: None	nano: No	ROLE: Pigment Ingredient	
HAZARD TYPE AGENCY AND LIST TITLES		WARNINGS			
MULTIPLE	German FEA - Substances Hazardous to Waters		Class 2 - Hazard to Waters		
SUBSTANCE NOTES: None					
C.I. PIGMENT BLACK 28					ID: 68186-91-4
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREE	NING DATE: 2019-03-05		
%: 0.0800 - 0.0800	GS: LT-UNK	RC: None	nano: No	ROLE: Pigment Ingredient	
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
	No hazards found				
SUBSTANCE NOTES: None					
•					



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

Greenquard

ISSUE DATE: 2009-03-12

EXPIRY DATE: 2020-03-12

CERTIFIER OR LAB: UL Environment

CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: All

CERTIFICATE URL: https://spot.ul.com/

CERTIFICATION AND COMPLIANCE NOTES: GREENGUARD Certification Number: 6625-410 Certification Status: Certified

VOC EMISSIONS

Greenquard Gold

ISSUE DATE: 2009-03-12

EXPIRY DATE: 2020-03-12

CERTIFIER OR LAB: UL Environment

CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: All

CERTIFICATE URL: https://spot.ul.com/

CERTIFICATION AND COMPLIANCE NOTES: GREENGUARD Gold Certification Number: 6625-420 Certification Status: Certified

MULTI-ATTRIBUTE

Environmental Product Declaration

CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: All

CERTIFICATE URL:

ISSUE EXPIRY DATE: 2013-

LAB: UL DATE:

 $https://easternus.azureedge.net/\sim/media/Inpro/TDM\%20Files/Documents/l/n/p/r/o/Inpro\%20Corner\%20Guard\%20EPDIPC2288\%20Rev1pdf.ashx?$ modified=20170414105638

2019-Environment 11-08 11-08

CERTIFICATION AND COMPLIANCE NOTES: "Environmental Product Declarations (EPDs) certified by UL enable manufacturers to make those disclosures in a credible, streamlined and universally understood manner. An Environmental Product Declaration is a comprehensive, internationally harmonized report created by a product manufacturer that documents the ways in which a product, throughout its lifecycle, affects the environment. UL certifies that the correct type of information is in the

report. UL-certified EPDs demonstrate a manufacturer's commitment to sustainability while showcasing that manufacturer's willingness to go above and beyond -all in the name of transparency and clarity. They also help purchasers to better understand a product's sustainable qualities and environmental repercussions. As such, certified EPDs equip manufacturers with a valuable tool for differentiation and empower customers to make more informed purchasing decisions." To learn

more: http://services.ul.com/service/environmental-product-declaration/



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

None

MANUFACTURER INFORMATION

MANUFACTURER: Inpro

ADDRESS: S80W18766 Apollo Drive Muskego WI 53150, USA

WEBSITE: www.inprocorp.com

CONTACT NAME: Laura Loucks TITLE: Sustainability Specialist PHONE: 262-679-9010

EMAIL: laloucks@inprocorp.com

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

AQU Aquatic toxicity

CAN Cancer

DEV Developmental toxicity

END Endocrine activity

EYE Eye irritation/corrosivity

GEN Gene mutation

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 (insuficient data to benchmark)

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 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

GLO Global warming MAM Mammalian/systemic/organ toxicity **REP** Reproductive toxicity MUL Multiple hazards **RES** Respiratory sensitization

LT-P1 List Translator Possible Benchmark 1

NEU Neurotoxicity **OZO** Ozone depletion

PBT Persistent Bioaccumulative Toxic

PHY Physical Hazard (reactive) SKI Skin sensitization/irritation/corrosivity LAN Land Toxicity NF Not found on Priority Hazard Lists

LT-1 List Translator Likely Benchmark 1 LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark) NoGS Unknown (no data on List Translator Lists)

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.