

CLASSIFICATION: 06 00 00 WOOD, PLASTICS, COMPOSITES

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PRODUCT DESCRIPTION: PLYWOOD MADE FROM POPLAR VENEERS WITH A FLAME RETARDANT TREATMENT AND A MELAMINE-UREA-FORMALDEHYDE ADHESIVE USED FOR A MULTITUDE OF APPLICATIONS (BUILDING, FURNITURE, ETC.).



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..... ☒ ☐
- Are the Percent Weight and Role provided for all substances? Yes No
- Screened..... ☒ ☐
- Are all substances screened using Priority Hazard Lists with results disclosed? Yes No
- Identified..... ☐ ☒
- 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

PLUMA-PLY™ FR AND POPLARPLY FR [CELLULOSE, MICROCRYSTALLINE WATER BM-4
 UREA FORMALDEHYDE LT-UNK KAOLIN CLAY LT-UNK | CAN IODIC ACID LT-UNK ALUMINUM
 SILICATE, NATURAL LT-UNK UNDISCLOSED UREA LT-UNK UNDISCLOSED LT-UNK UNDISCLOSED
 LT-UNK POLYVINYL ACETATE (PVA) LT-UNK ALUMINUM SULFATE LT-UNK | RES FORMALDEHYDE LT-1
 | MAM | SKI | CAN | RES | GEN | MUL]

Number of Greenscreen BM-4/BM3 contents..... 1
 Contents highest concern GreenScreen
 Benchmark or List translator Score..... LT-1
 Nanomaterial..... No

INVENTORY AND
SCREENING NOTES:

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

CERTIFICATIONS AND COMPLIANCE

VOC Content data is not applicable for this product category.

☒ Self-Published* VERIFIER: SCREENING DATE: June 21, 2016 EXPIRY DATE*: June 21, 2019

☐ Third Party Verified VERIFICATION #: RELEASE DATE: June 21, 2016 * 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.

PLUMA-PLY™ FR AND POPLARPLY FR

%: 100.0000

HPD URL:

Inventory Threshold: 100 ppm

Residuals Considered: Yes

Material Notes: Grupo Garnica Plywood, S.A. has enlisted ToxServices LLC to accurately create this HPD at an ingredient disclosure level of 100 ppm.

CELLULOSE, MICROCRYSTALLINE ID: 9004-34-6

%: 85.0000 - 85.0000 GS: RC: None NANO: NO ROLE: Structure Component

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range covers maximum % ingredient present in both product formulations

WATER ID: 7732-18-5

%: 6.4400 - 6.7400 GS: BM-4 RC: None NANO: NO ROLE: Flame Retardant and Binder Component

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range covers maximum % ingredient present in both product formulations

UREA FORMALDEHYDE ID: 9011-05-6

%: 4.2000 - 4.4000 GS: LT-UNK RC: None NANO: NO ROLE: Binder Component

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range covers maximum % ingredient present in both product formulations

KAOLIN CLAY ID: 1332-58-7

%: 1.7000 - 1.7000 GS: LT-UNK RC: None NANO: NO ROLE: Additive Component

HAZARDS: AGENCY(IES) WITH WARNINGS:

CANCER MAK Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Range covers maximum % ingredient present in both product formulations

IODIC ACID ID: 7782-68-5

%: 0.5200 - 0.6500 GS: LT-UNK RC: None NANO: NO ROLE: Binder Component

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range covers maximum % ingredient present in both product formulations

ALUMINUM SILICATE, NATURAL ID: 12141-46-7

%: 0.3200 - 0.4500 GS: LT-UNK RC: None NANO: NO ROLE: Binder Component

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range covers maximum % ingredient present in both product formulations

UNDISCLOSED

%: 0.3000 - 0.3000 GS: RC: None NANO: NO ROLE: Additive Component

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range covers maximum % ingredient present in both product formulations

UREA ID: 57-13-6

%: 0.1300 - 0.1900 GS: LT-UNK RC: None NANO: NO ROLE: Binder Component

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range covers maximum % ingredient present in both product formulations

UNDISCLOSED

%: 0.1000 - 0.1500 GS: LT-UNK RC: None NANO: NO ROLE: Flame Retardant Component

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range covers maximum % ingredient present in both product formulations

UNDISCLOSED

#: 0.1000 - 0.1500 GS: LT-UNK RC: None NANO: NO ROLE: Flame Retardant Component

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range covers maximum % ingredient present in both product formulations

POLYVINYL ACETATE (PVA)

ID: 9003-20-7

#: 0.0600 - 0.1300 GS: LT-UNK RC: None NANO: NO ROLE: Binder Component

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range covers maximum % ingredient present in both product formulations

ALUMINUM SULFATE

ID: 10043-01-3

#: 0.0600 - 0.1300 GS: LT-UNK RC: None NANO: NO ROLE: Binder Component

HAZARDS: AGENCY(IES) WITH WARNINGS:

RESPIRATORY AOEC - Asthmagens Asthmagen (ARs) - sensitizer-induced - inhalable forms only

SUBSTANCE NOTES: Range covers maximum % ingredient present in both product formulations

FORMALDEHYDE

ID: 50-00-0

#: 0.0100 - 0.0100 GS: LT-1 RC: None NANO: NO ROLE: Binder Component

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MAMMALIAN	EU - R-phrases	R23 - Toxic by Inhalation (gas, vapour, dust/mist)
MAMMALIAN	EU - R-phrases	R24 - Toxic in Contact with Skin
MAMMALIAN	EU - R-phrases	R25 - Toxic if Swallowed
SKIN IRRITATION	EU - R-phrases	R34 - Causes burns
CANCER	EU - R-phrases	R40 - Limited Evidence of Carcinogenic Effects
SKIN SENSITIZE	EU - R-phrases	R43 - May cause sensitization by skin contact
RESPIRATORY	AOEC - Asthmagens	Asthmagen (G) - generally accepted
CANCER	US EPA - IRIS Carcinogens	(1986) Group B1 - Probable human Carcinogen
CANCER	IARC	Group 1 - Agent is Carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	US NIH - Report on Carcinogens	Known to be a human Carcinogen
MAMMALIAN	EU - GHS (H-Statements)	H301 - Toxic if swallowed
MAMMALIAN	EU - GHS (H-Statements)	H311 - Toxic in contact with skin
SKIN IRRITATION	EU - GHS (H-Statements)	H314 - Causes severe skin burns and eye damage
SKIN IRRITATION	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
MAMMALIAN	EU - GHS (H-Statements)	H331 - Toxic if inhaled
GENE MUTATION	EU - GHS (H-Statements)	H341 - Suspected of causing genetic defects
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence

SUBSTANCE NOTES: Range covers maximum % ingredient present in both product formulations



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.

FORMALDEHYDE EMISSIONS

California 93120 Compliant for Formaldehyde

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



MANUFACTURER INFORMATION

MANUFACTURER: Garnica Plywood, S.A. CONTACT NAME: María Puerta Aransay
 ADDRESS: Grupo Garnica Plywood, S.A. TITLE: Quality Department
 Parque de San Miguel, 10, bajos Logroño, La Rioja 26007 PHONE: +34 662 137 927
 Spain EMAIL: maria.puerta@garnicaplywood.com
 WEBSITE: <http://www.garnica.one/en/home>

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	LT-1 List Translator Likely Benchmark 1
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)	UNK Unknown (no data on List Translator Lists)
BM-U Benchmark Unspecified (insufficient 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

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.