

CLASSIFICATION: 06 11 13 Engineered Wood Products

created via: HPDC Online Builder

PRODUCT DESCRIPTION: Encore™ FR and APEX FR are Class 1 (A) certified sustainable design particleboard (SDP) panels made from recycled wood, and meet stringent formaldehyde emission standards. Ampine's® manufacturing process utilizes a formaldehyde free adhesive system to produce Encore FR and APEX FR. During processing, a fire resistant additive is blended with wood fiber to provide flame retardant properties throughout the panel, which ensures the panel maintains its fire resistance when it is machined or sanded. This process results in an extra layer of protection compared to products made with surface flame retardant coatings. Encore FR is ideal for LEED® and other environmentally focused building projects requiring Class 1 (A) certified flame retardant materials, including when certain indoor air quality requirements are specified. APEX FR is engineered for superior strength and machinability. Encore FR and APEX FR are manufactured at the Ampine mill in Sutter Creek, California. This HPD covers the following Encore FR and APEX FR Series: Encore FR, Encore FR Door Core, APEX FR.

Section 1: Summary

Basic 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

- Considered
 - Partially Considered
 - Not Considered
- Explanation(s) provided for Residuals/Impurities?
- Yes No

Are All Substances Above the Threshold Indicated:

- Characterized** Yes No
Percent Weight and Role Provided?
- Screened** Yes No
Using Priority Hazard Lists with Results Disclosed?
- Identified** Yes No
Name and Identifier Provided?

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

ENCORE FR AND APEX FR PARTICLEBOARD [CELLULOSE, MICROCRYSTALLINE NoGS BORON SODIUM OXIDE (B8NA2O13), TETRAHYDRATE LT-1 | REP | MUL WATER BM-4 POLYMERIC MDI (PMDI) LT-UNK | RES | MUL | CAN UREA LT-UNK METHYLENE BISPHENYL DIISOCYANATE (PURE MDI) LT-UNK | RES | MUL | SKI | EYE | CAN DIPHENYLMETHANE DIISOCYANATE (MDI) - NON ISOMER SPECIFIC LT-UNK | MUL | SKI | EYE | RES | CAN UNDISCLOSED #1 LT-1 | CAN | 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:

All undisclosed chemicals present in this HPD have been identified and screened by Ampine's preparer. Due to the confidentiality of the ingredients, per supplier proprietary disclosure, some of the chemical names and CAS#s were not able to be displayed on this HPD.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE *See Section 3 for additional listings.*

Recycled content: SCS Recycled Content Standard V7-0
Formaldehyde content: SCS No Added Formaldehyde Guidelines V3-0
Composite Wood: CPA 4-11 ECC Sustainability Standard and CARB ATCM 93120
Sustainable forestry: FSC 100%, FSC Mix, FSC Controlled Wood

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared
VERIFIER: SCS Global Services
VERIFICATION #: qGE-4595

SCREENING DATE: 2018-02-07
PUBLISHED DATE: 2018-02-07
EXPIRY DATE: 2021-02-07

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

ENCORE FR AND APEX FR PARTICLEBOARD

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Ampine worked with the preparer to verify that all residual and impurities have been considered under this current HPD.

OTHER PRODUCT NOTES: This HPD is being used to describe several products that are generally similar in content but differ in the percentages of some ingredients. The substances below are reported in absolute minimum and maximum. Each particleboard formulation was provided at 100%.

CELLULOSE, MICROCRYSTALLINE

ID: 9004-34-6

#: **81.3000 - 83.7200** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Wood Component**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Pine, Sugar Pine, White Fir, Doug Fir, Eucalyptus, and Cedar in the form on shavings, hog wood, chips, saw dust, and fines.

BORON SODIUM OXIDE (B8NA2O13), TETRAHYDRATE

ID: 12280-03-4

#: **10.4600 - 12.7000** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Flame Retardant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

REPRODUCTIVE

EU - GHS (H-Statements)

H360Fd - May damage fertility. Suspected of damaging the unborn child

REPRODUCTIVE

EU - REACH Annex XVII CMRs

Toxic to Reproduction Category 2 - Substances which should be regarded as if they impair fertility or cause Developmental Toxicity in humans

MULTIPLE

ChemSec - SIN List

CMR - Carcinogen, Mutagen &/or Reproductive Toxicant

REPRODUCTIVE

EU - Annex VI CMRs

Reproductive Toxicity - Category 1B

SUBSTANCE NOTES:

WATER

ID: 7732-18-5

#: **1.5500 - 2.0500** GS: **BM-4** RC: **None** NANO: **No** ROLE: **Solvent**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

POLYMERIC MDI (PMDI)ID: **9016-87-9**%: **1.2600 - 2.2400**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Binder**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (G) - generally accepted

RESTRICTED LIST

US EPA - PPT Chemical Action Plans

EPA Chemical of Concern - Action Plan published

RESPIRATORY

US EPA - PPT Chemical Action Plans

Inhalation sensitizer causing asthma and lung damage

CANCER

MAK

Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

RESPIRATORY

MAK

Sensitizing Substance Sah - Danger of airway & skin sensitization

SUBSTANCE NOTES:

UREAID: **57-13-6**%: **1.2000 - 1.6200**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Flame Retardant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

METHYLENE BISPHENYL DIISOCYANATE (PURE MDI)ID: **101-68-8**%: **0.8500 - 1.5200**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Binder**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (G) - generally accepted

RESTRICTED LIST

US EPA - PPT Chemical Action Plans

EPA Chemical of Concern - Action Plan published

SKIN IRRITATION

EU - GHS (H-Statements)

H315 - Causes skin irritation

EYE IRRITATION

EU - GHS (H-Statements)

H319 - Causes serious eye irritation

RESPIRATORY

EU - GHS (H-Statements)

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

CANCER

EU - GHS (H-Statements)

H351 - Suspected of causing cancer

RESPIRATORY

US EPA - PPT Chemical Action Plans

Inhalation sensitizer causing asthma and lung damage

CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
RESPIRATORY	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
SUBSTANCE NOTES:		

DIPHENYLMETHANE DIISOCYANATE (MDI) - NON ISOMER SPECIFIC

ID: **26447-40-5**

%: 0.1700 - 0.1800	GS: LT-UNK	RC: None	NANO: No	ROLE: Binder
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
RESTRICTED LIST	US EPA - PPT Chemical Action Plans	EPA Chemical of Concern - Action Plan published		
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation		
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation		
RESPIRATORY	EU - GHS (H-Statements)	H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled		
CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer		
RESPIRATORY	US EPA - PPT Chemical Action Plans	Inhalation sensitizer causing asthma and lung damage		
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction		
SUBSTANCE NOTES:				

UNDISCLOSED #1

ID: **Not registered**

%: 0.1500 - 0.1800	GS: LT-1	RC: None	NANO: No	ROLE: Additive
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
CANCER	EU - R-phrases	R45 - May cause cancer		
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer		
CANCER	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man		
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant		
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters		
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence		
SUBSTANCE NOTES: This chemical has been identified and screened by the preparer. Due to its proprietary nature, this chemical and its CAS# were not able to be disclosed on this HPD.				

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.

RECYCLED CONTENT	SCS Recycled Content Standard V7-0		
CERTIFYING PARTY: Third Party	ISSUE DATE: 2017-10-01	EXPIRY DATE: 2018-09-30	CERTIFIER OR LAB: SCS Global Services
APPLICABLE FACILITIES: Only includes products manufactured at the Martell, CA site.			
CERTIFICATE URL: https://www.scscertified.com/products/cert_pdfs/Ampine_2017_SCS-MC-01095_s.pdf			
CERTIFICATION AND COMPLIANCE NOTES: Minimum 90% with at least 8% Post-Consumer and Balance 82% Pre-Consumer Recycled Wood Content (dry-weight basis)			

FORMALDEHYDE CONTENT	SCS No Added Formaldehyde Guidelines V3-0		
CERTIFYING PARTY: Third Party	ISSUE DATE: 2017-10-01	EXPIRY DATE: 2018-09-30	CERTIFIER OR LAB: SCS Global Services
APPLICABLE FACILITIES: Only includes products manufactured at the Martell, CA site.			
CERTIFICATE URL: https://www.scscertified.com/products/cert_pdfs/Ampine_2017_SCS-NAF-01510_s.pdf			
CERTIFICATION AND COMPLIANCE NOTES: Conforms to the SCS No Added Formaldehyde Guidelines V3-0.			

COMPOSITE WOOD	CPA 4-11 ECC Sustainability Standard and CARB ATCM 93120		
CERTIFYING PARTY: Second Party	ISSUE DATE: 2016-01-20	EXPIRY DATE:	CERTIFIER OR LAB: Composite Panel Association
APPLICABLE FACILITIES: Martell, California			
CERTIFICATE URL: http://www.decorativesurfaces.org/cpa-green/ecc-certified-companies.html#a			
CERTIFICATION AND COMPLIANCE NOTES: Eco-Attributes: Carbon Footprint, Locally Sourced Fiber, Recycled, Recovered, or Post-Consumer Fiber Content, Sustainable Use of Wood Fiber.			

SUSTAINABLE FORESTRY	FSC 100%, FSC Mix, FSC Controlled Wood		
CERTIFYING PARTY: Third Party	ISSUE DATE: 2013-09-03	EXPIRY DATE: 2018-09-02	CERTIFIER OR LAB: SCS Global Services
APPLICABLE FACILITIES: This certificate covers the production and distribution of hardwood and softwood plywood, particleboard, decorative overlays, softwood veneer, decorative veneer and plywood, bark, chips, peeler cores, logs, lumber, and platforms using the transfer, percentage and credit systems. It also covers the purchase and sale of FSC Controlled Wood; risk assessments for the control of wood sourced from Southern Oregon, Northern California, Eastern United States, and Eastern Canada; and the sourcing of pre-consumer Encore FR and APEX FR particleboard hpcrepository.hpdcollaborative.org			

reclaimed rough wood and round logs.

CERTIFICATE URL: SCS-COC-000573 Trademark

License Code: FSC-C021324

CERTIFICATION AND COMPLIANCE NOTES: The assessment has been conducted by Scientific Certification Systems (SCS) in accordance with the rules of the Forest Stewardship Council® A.C. (FSC). FSC Standard: FSC-STD-40-004 V2-1; FSC-STD-40-005 V2-1; FSC-STD-40-007 V2-0

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: **Ampine LLC**

ADDRESS: **11610 Ampine-Fiberform**

Sutter Creek CA 95685, United States

WEBSITE: **www.timberproducts.com**

CONTACT NAME: **Terry Velasco**

TITLE: **General Manager**

PHONE: **2092236001**

EMAIL: **tvelasco@timberproducts.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

Hazard Types

AQU Aquatic toxicity

CAN Cancer

DEV Developmental toxicity

END Endocrine activity

EYE Eye irritation/corrosivity

GEN Gene mutation

GLO Global warming

MAM Mammalian/systemic/organ toxicity

MUL Multiple hazards

NEU Neurotoxicity

OZO Ozone depletion

PBT Persistent Bioaccumulative Toxic

PHY Physical Hazard (reactive)

REP Reproductive toxicity

RES Respiratory sensitization

SKI Skin sensitization/irritation/corrosivity

LAN Land Toxicity

NF Not found on Priority Hazard Lists

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 (insufficient data to benchmark)

LT-P1 List Translator Possible Benchmark 1
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)

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

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.