

CLASSIFICATION: 06 10 00 Rough Carpentry

created via: HPDC Online Builder

PRODUCT DESCRIPTION: ACQ Preserve® treated wood is wood pressure treated with a family of soluble copper-based preservative solutions for wood products that provides long-term protection from fungal decay and termite attack for a wide variety of residential, commercial and agricultural construction applications. In ACQ treated wood, copper provides most of the protection to the wood, and the co-biocides complete the formulation by adding the protection against the copper-tolerant fungi. Soluble copper is very effective in penetrating the cells in the wood fiber during the pressure-treatment process, providing for optimum long-term protection. Preserve ACQ – (Alkaline copper quaternary) Alkaline copper quaternary (ACQ) is a wood preservative formulation made of soluble copper and a quaternary compound. Copper has been used for centuries to control fungi, and is highly effective against most forms of fungi that feed on wood.

Section 1: Summary

Nested 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

Residuals/Impurities Considered in 0 of 1 Materials

Explanation(s) provided for Residuals/Impurities?

- Yes
- No

Are All Substances Above the Threshold Indicated:

Characterized

Percent Weight and Role Provided?

- Yes
- No

Screened

Using Priority Hazard Lists with Results Disclosed?

- Yes
- No

Identified

Name and Identifier Provided?

- 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

PRESSURE TREATED ACQ WOOD [WOOD NoGS MONOETHANOLAMINE LT-P1 | MAM | SKI | RES | END COPPER COMPLEX LT-UNK BORIC ACID LT-1 | REP | DEV | MUL DIDECYL DIMETHYL AMMONIUM CHLORIDE LT-P1 | MAM | SKI | RES | END]

Number of Greenscreen BM-4/BM3 contents..... 0
 Contents highest concern GreenScreen
 Benchmark or List translator Score..... LT-1
 Nanomaterial..... No

INVENTORY AND SCREENING NOTES:

N/A

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

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

Other: NAHB ICC 700 NGBS Green Certified Product

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2017-11-03

PUBLISHED DATE: 2017-11-03

EXPIRY DATE: 2020-11-03

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

PRESSURE TREATED ACQ WOOD

#: 100.0000 - 100.0000

HPD URL: <http://treatedwood.com/products/preserve/>

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities are not considered for ACQ Preserve pressure treated wood.

OTHER MATERIAL NOTES: N/A

WOOD

ID: **Not registered**

#: 90.0000 - 98.5000

GS: **NoGS**

RC: **None**

NANO: **No**

ROLE: **Substrate**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Substrate

MONOETHANOLAMINE

ID: **141-43-5**

#: 0.8000 - 5.5000

GS: **LT-P1**

RC: **UNK**

NANO: **No**

ROLE: **Solvent**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MAMMALIAN

EU - R-phrases

R20 - Harmful by Inhalation (gas or vapor or dust/mist)

MAMMALIAN

EU - R-phrases

R21 - Harmful in Contact with Skin

MAMMALIAN

EU - R-phrases

R22 - Harmful if Swallowed

SKIN IRRITATION

EU - R-phrases

R34 - Causes burns

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SKIN IRRITATION

EU - GHS (H-Statements)

H314 - Causes severe skin burns and eye damage

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SKIN SENSITIZE

MAK

Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: Solvent

COPPER COMPLEX

ID: **73070-37-8**

#: 0.3000 - 2.1000

GS: **LT-UNK**

RC: **UNK**

NANO: **No**

ROLE: **Fungicide/Insecticide**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Fungicide/Insecticide

BORIC ACID

ID: 11113-50-1

HAZARDS:	AGENCY(IES) WITH WARNINGS:		
%: 0.0000 - 0.1000	GS: LT-1	RC: UNK	NANO: No ROLE: Fungicide/Insecticide
REPRODUCTIVE	EU - R-phrases		R60 - May impair fertility
DEVELOPMENTAL	EU - R-phrases		R61 - May cause harm to the unborn child
REPRODUCTIVE	EU - SVHC Authorisation List		Toxic to reproduction - Candidate list
REPRODUCTIVE	EU - GHS (H-Statements)		H360FD - May damage fertility. May damage the unborn child
MULTIPLE	ChemSec - SIN List		CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
REPRODUCTIVE	EU - Annex VI CMRs		Reproductive Toxicity - Category 1B
REPRODUCTIVE	Australia - GHS		H360Fd - May damage fertility. Suspected of damaging the unborn child
SUBSTANCE NOTES: Fungicide/Insecticide			

DIDECYL DIMETHYL AMMONIUM CHLORIDE

ID: 7173-51-5

HAZARDS:	AGENCY(IES) WITH WARNINGS:		
%: 0.0000 - 1.0000	GS: LT-P1	RC: UNK	NANO: No ROLE: Biocide
MAMMALIAN	EU - R-phrases		R22 - Harmful if Swallowed
SKIN IRRITATION	EU - R-phrases		R34 - Causes burns
RESPIRATORY	AOEC - Asthmagens		Asthmagen (Rs) - sensitizer-induced
SKIN IRRITATION	EU - GHS (H-Statements)		H314 - Causes severe skin burns and eye damage
ENDOCRINE	TEDX - Potential Endocrine Disruptors		Potential Endocrine Disruptor
SUBSTANCE NOTES: Biocide			

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.

OTHER	NAHB ICC 700 NGBS Green Certified Product		
CERTIFYING PARTY: Third Party	ISSUE	EXPIRY	CERTIFIER
APPLICABLE FACILITIES: All	DATE: 2010-	DATE:	OR LAB:
CERTIFICATE URL:	01-15	2017-	None
http://treatedwood.com/uploads/NGBS%20Green%20Certified%20Product%20Preserve%20ACQ%20%28ACQ%29.pdf		12-31	
CERTIFICATION AND COMPLIANCE NOTES:			

Section 4: Accessories

This section lists related products or materials that the manufacturer requires 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

Preserve® is a family of soluble copper-based preservative solutions for wood products that provides long-term protection from fungal decay and termite attack for a wide variety of residential, commercial and agricultural construction applications. In each Preserve solution, the soluble copper provides most of the protection to the wood, and the co-biocides complete the formulation by adding the protection against the copper-tolerant fungi. Soluble copper is very effective in penetrating the cells in the wood fiber during the pressure-treatment process, providing for optimum long-term protection. Preserve ACQ – (Alkaline copper quaternary) Alkaline copper quaternary (ACQ) is a wood preservative formulation made of soluble copper and a quaternary compound. Copper has been used for centuries to control fungi, and is highly effective against most forms of fungi that feed on wood. Preserve is Building Code Compliant Preserve ACQ and Preserve CA have been standardized by The American Wood Protection Association (AWPA) for ground-contact and above-ground applications. Each Preserve formulation is building code compliant (2012 IBC/IRC) under AWPA Use Categories U1, UC3B, UC4A, and UC4B and meets all applicable major model building code requirements. In Canada, Preserve ACQ is building code compliant (CSA-O80) and meets all applicable major model building code requirements in Canada. The Prescriptive Residential Deck Construction Guide includes guidance compiled by the American Wood Council (AWC) on provisions of the International Residential Code (IRC) pertaining to single level residential wood deck construction. Lifetime Limited Warranty Viance Lifetime Limited Warranty coverage includes Above Ground treated wood framing members that are critical to the safety and performance of the structure, including joists and beams * See Preserve Lifetime Limited Warranty for terms and conditions Green Certified Product Preserve ACQ and Preserve CA are NAHB Home Innovation Research Labs Green Certified Products for Resource Efficiency and are eligible to contribute points toward a buildings certification under the National Green Building Standard™.

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: **Viance LLC.**

ADDRESS: **8001 IBM Drive**

Charlotte North Carolina 28262, United States of America

WEBSITE: **<http://treatedwood.com/>**

CONTACT NAME: **Todd Schoffstoll**

TITLE: **Western Regional Manager**

PHONE: **704-340-3376**

EMAIL: **tschoffstoll@viance.net**

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.