

83997-2

5/27/2014

1/8



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

MAY 27 2014

OFFICE OF
CHEMICAL SAFETY AND
POLLUTION PREVENTION

Kevin Archer, Director R&D
Viance LLC
One Woodlawn Green Suite 350
200 E Woodlawn Road
Charlotte, NC 28217

Subject: ACQ-C
EPA Registration Number: 83997-2
Application Date: April 2, 2014

Dear Mr. Archer:

The Agency has reviewed your amendment submitted in accordance with continuing registration under the Federal Insecticide Fungicide and Rodenticide Act (FIFRA), as amended, and determined the action acceptable.

In summary, you have proposed to add two additional mixing tables to enhance the use directions. These tables allow for tank mixing a 50% a DDA Chloride quaternary ammonium compound. A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. The next label printing of this product must use this labeling unless subsequent changes have been approved. You must submit one (1) copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 1(gg) and its implementing regulation at 40 CFR 152.3. If the above conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

PRECAUTIONARY STATEMENTS

Hazards to Humans to Domestic Animals

Danger, Corrosive. Causes irreversible eye damage. Causes Skin burns. May be fatal if swallowed. Harmful if inhaled. Do not breathe vapor or spray mist. Harmful if absorbed through skin. Do not get in eyes, on skin or on clothing. Wear goggles or face shield. Applicators must wear gloves impervious to this product and its treatment solutions. Wash thoroughly after handling and before eating, drinking, chewing gum, using tobacco products or using the toilet. Do not eat, drink, chew gum or use tobacco products during those parts of the application process that may involve exposure to this product or its treatment solutions.

Mixers, loader, applicators and other handlers (including individuals who enter treatment cylinders) must wear: Coveralls over long-sleeved shirt and long pants. Chemical-resistant footwear plus socks, goggles or faceshield, chemical-resistant gloves made of any water proof material, chemical-resistant apron when mixing, loading or cleaning equipment, chemical-resistant head gear for overhead exposure and properly fitting, well-maintained, high-efficiency respirator (MSHA/NIOSH-approved for ammonia)

If the level of ammonia in the plant is unknown, or exceeds the short-term exposure limit (STEL) of 35 ppm, or the 8-hour time-weighted average of 25 ppm required by ACGIH, air-monitoring programs, procedures and record retention must be conducted in accordance with OSHA standards.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

User safety Requirements

Users must remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Users must remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

ACQ-C

ACTIVE INGREDIENT	BY WEIGHT
Copper ammonium carbonate*	24.1%
Other Ingredients	75.9%
TOTAL	100.0%
*Metallic Copper equivalent8%
Contains 0.784 lbs. copper per gallon.	

KEEP OUT OF REACH OF CHILDREN

DANGER

FIRST AID

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible. Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.
Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

Manufactured for: Viance, LLC
200 E. Woodlawn Road, Suite 350
Charlotte, NC 28217
email: productinfo@viance.net

In Case of Emergency, Phone: 1-800-424-9300 (CHEMTREC)

- EPA Reg. No. 83997-2
- EPA Est. No. 10465-NC-1
- EPA Est. No. 10465-GA-1
- EPA Est. No. 73116-WA-1

Net Contents: _____ Gallons

POST A COPY OF THIS LABEL IN WORK AREA

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

FOR TREATMENT OF BURLAP

ACQ-C is a copper-based mildewicide specifically formulated to impart fungus resistance on burlap for agricultural, horticultural, nursery or military uses. For agricultural applications ACQ-C treated burlap must not be used in contact with food products or with fruit bearing plants.

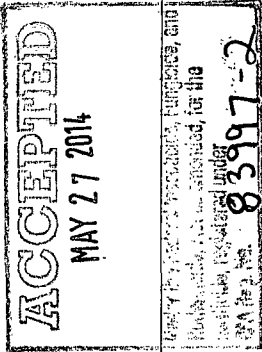
For dip application, dilute ACQ-C 1:1 with water and fully immerse the burlap. For optimal performance, the loading of copper on the burlap should be in the range 1.5-2.0 % metallic copper (Cu) measured on a dry basis. Treating vessels (tanks) and associated equipment e.g. piping valves and fittings should not contain brass or bronze.

INSTRUCTIONS FOR PRESSURE-TREATING WOOD

ACQ-C can only be used in conjunction with a vacuum pressure-treating vessel for impregnating forest products such as lumber, millwork, poles and pites. A treatment solution of ACQ-C must be prepared prior to use. Do not use when brass, bronze, or copper can be contacted. Impregnation procedures must follow the applicable specifications of the American Wood Protection Association. Treated wood is provided protection against termites, ascomycetes, brown rot and white rot.

Tank mix ACQ-C with EPA registered wood preservative compounds approved for wood treatment. Apply the tank mixed solution by pressure impregnation. Use the example mixing instructions attached to this label to achieve the desired solution concentration. The percent solution to be used should be based on the retention, in lbs. per cubic foot (pcf), specified by the purchaser and by the treating process used.

Revised 5/19/2014



INSTRUCTIONS FOR TREATMENT OF

COMPOSITE WOOD COMPONENTS

For treatment of composite wood components, ACQ-C can be applied either neat (10% active copper) or as a 1:1 dilution in water (5% active copper). The solution concentration and amount applied should result in a retention of copper in wood of 0.1-0.5 pounds per cubic foot (pcf). Note that the amount of treatment solution applied may vary depending on the moisture content of the composite wood component and the desired distribution of ACQ-C in wood.

Apply the treatment solution by spraying the composite wood component with a low-pressure sprayer. A moderately fine spray, not an aerosol or fog, generally provides the best coverage. Apply in a commercial spray booth, with adequate ventilation and scrubbers to ensure the ambient ammonia levels do not exceed the levels noted in the Precautionary Statements section.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinseate is a violation of the Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or Hazardous Waste representative at the nearest EPA Regional Office for guidance.

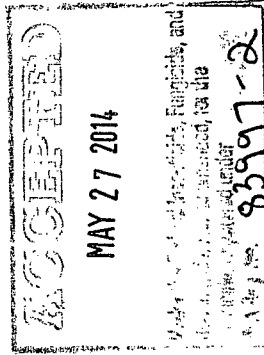
Container Disposal:

Plastic: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or if allowed by state and local authorities, by burning. If burned stay out of smoke.

Metal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

CONDITIONS OF SALE AND WARRANTY

Seller warrants that its product conforms in its standard specifications set forth on this label. SELLER MAKES NO OTHER REPRESENTATIONS OR WARRANTIES OF ANY KIND, AS TO THE MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE OR ANY OTHER MATTER WITH RESPECT TO THE PRODUCT, WHETHER USED ALONE OR IN COMBINATION WITH ANY OTHER MATERIAL. BUYER ASSUMES ALL RISKS TO PERSONS OR PROPERTY ARISING OUT OF THE USE OR HANDLING AND ACCEPTS THE PRODUCT SUBJECT TO THE CONDITIONS SET FORTH ON THIS LABEL. BECAUSE TIME, GEOGRAPHICAL LOCATION, RATE OF APPLICATION, AND OTHER CONDITIONS ARE BEYOND THE SELLER'S LIABILITY FOR ANY LOSS OR DAMAGES ARISING OUT OF ANY CASE CAUSE INCLUDING STORAGE, HANDLING AND USE OF THIS PRODUCT SHALL IN NO EVENT EXCEED THE PURCHASE PRICE OF THE PRODUCT IN RESPECT TO WHICH SUCH CAUSE ARISES OR AT SELLER'S OPTION THE REPLACEMENT OF SUCH PRODUCT AND IN NO EVENT SHALL SELLER BE LIABLE FOR INCIDENTAL, SPECIAL, CONSEQUENTIAL OR PUNITIVE DAMAGES RESULTING FROM ANY CAUSE. No claim for any cause whatsoever shall be allowed unless Buyer gives Seller prompt written notice thereof. Failure to commence action with respect to such claim within a year from date of delivery of ACQ-C for which a claim is alleged, shall constitute a waiver by Buyer of any such claim.



Example Mixing Table for ACQ®-C and Viance Pack PT wood preservative components

4/8

Solution Strength (% active)	% component balance (active basis)		To mix 1000 gal treating solution combine the following quantities of		
	Cu Equivalent	Pack PT (Total Azoles)	ACQ-C (gal)	Viance Pack PT (oz)	Water (gal)
0.2	0.192	0.008	20.4	97.8	978.9
0.3	0.288	0.012	30.5	146.7	968.4
0.4	0.384	0.016	40.7	195.6	957.8
0.5	0.481	0.020	50.9	244.5	947.3
0.6	0.577	0.023	61.1	293.4	936.7
0.7	0.673	0.027	71.3	342.3	926.1
0.8	0.769	0.031	81.4	391.1	915.7
0.9	0.865	0.035	91.6	440.0	905.1
1.0	0.961	0.039	101.8	488.9	894.5
1.1	1.057	0.043	112.0	537.8	884.0
1.2	1.153	0.047	122.2	586.7	873.4
1.3	1.249	0.051	132.3	635.6	862.9
1.4	1.345	0.055	142.5	682.5	852.4
1.5	1.442	0.059	152.7	733.4	841.8
2.0	1.922	0.078	203.6	977.9	789.1

ACCEPTED
 MAY 27 2014
 Federal Forest Products, Fungicides, and
 Preservatives, for the
 U.S. Forest Service
 83997-2

5/8

EXAMPLE Mixing table for 2:1 ACQ-C (8% Cu) and a 50% quaternary ammonium compound (2 component system)

Solution Strength (%)	Component Balance Actives basis		To mix 1000 gallons solution Combine the following gallons of		
	% Active CuO	% DDACarbonate	8% alkaline copper	DDACarbonate (50%)	Water
0.60	0.40	0.20	33.9	4.3	961.8
0.65	0.43	0.22	36.7	4.6	958.7
0.70	0.47	0.23	39.6	5.0	955.4
0.75	0.50	0.25	42.4	5.3	952.3
0.80	0.53	0.27	45.2	5.7	949.1
0.85	0.57	0.28	48.1	6.0	945.9
0.90	0.60	0.30	50.8	6.4	942.8
0.95	0.63	0.32	53.6	6.7	939.7
1.00	0.67	0.33	56.5	7.1	936.4
1.10	0.73	0.37	62.1	7.8	930.1
1.20	0.80	0.40	67.8	8.5	923.7
1.30	0.87	0.43	73.5	9.2	917.3
1.40	0.93	0.47	79.1	9.9	911.0
1.50	1.00	0.50	84.7	10.6	904.7
1.60	1.07	0.53	90.4	11.3	898.3
1.70	1.13	0.57	96.0	12.1	891.9
1.80	1.20	0.60	101.7	12.8	885.5
1.90	1.27	0.63	107.4	13.5	879.1
2.00	1.33	0.67	113.0	14.3	872.7
2.10	1.40	0.70	118.6	14.9	866.5
2.20	1.47	0.73	124.3	15.6	860.1
2.30	1.53	0.77	129.9	16.3	853.8
2.40	1.60	0.80	135.6	17.0	847.4
2.50	1.67	0.83	141.3	17.7	841.0
2.60	1.73	0.87	146.9	18.4	834.7
2.70	1.80	0.90	152.5	19.1	828.4
2.80	1.87	0.93	158.2	19.9	821.9
2.90	1.93	0.97	163.8	20.6	815.6
3.00	2.00	1.00	169.5	21.3	809.2
3.10	2.07	1.03	175.2	22.0	802.8
3.20	2.13	1.07	180.8	22.7	796.5
3.30	2.20	1.10	186.4	23.4	790.2
3.40	2.27	1.13	192.1	24.1	783.8
3.50	2.33	1.17	197.5	24.8	777.7
3.60	2.40	1.20	203.4	25.5	771.1
3.70	2.47	1.23	209.1	26.2	764.7
3.80	2.53	1.27	214.7	27.0	758.3
3.90	2.60	1.30	220.3	27.7	752.0

MAY 27 2014
83997-2

6/8

Example Mixing table for 1:1 ACQ-C (8% Cu) and a 50% quaternary ammonium compound (2 component system)

Solution Strength (%)	Component Balance Actives basis		To mix 1000 gallons solution Combine the following gallons of		
	%Active CuO	% DDACarbonate	8% alkaline copper	DDACarbonate (50%)	Water
0.60	0.30	0.30	31.8	6.4	961.8
0.65	0.33	0.33	34.4	6.9	958.7
0.70	0.35	0.35	37.1	7.4	955.5
0.75	0.38	0.38	39.7	8.0	952.3
0.80	0.40	0.40	42.4	8.5	949.1
0.85	0.43	0.43	45.0	9.0	946.0
0.90	0.45	0.45	47.7	9.6	942.7
0.95	0.48	0.48	50.3	10.1	939.6
1.00	0.50	0.50	53.0	10.6	936.4
1.10	0.55	0.55	58.3	11.7	930.0
1.20	0.60	0.60	63.6	12.8	923.6
1.30	0.65	0.65	68.9	13.8	917.3
1.40	0.70	0.70	74.2	14.9	910.9
1.50	0.75	0.75	79.4	16.0	904.6
1.60	0.80	0.80	84.7	17.0	898.3
1.70	0.85	0.85	90.0	18.1	891.9
1.80	0.90	0.90	95.3	19.1	885.6
1.90	0.95	0.95	100.6	20.2	879.2
2.00	1.00	1.00	105.9	21.3	872.8
2.10	1.05	1.05	111.2	22.3	866.5
2.20	1.10	1.10	116.5	23.4	860.1
2.30	1.15	1.15	121.8	24.5	853.7
2.40	1.20	1.20	127.1	25.5	847.4
2.50	1.25	1.25	132.4	26.2	841.4
2.60	1.30	1.30	137.7	27.7	834.6
2.70	1.35	1.35	143.0	28.7	828.3
2.80	1.40	1.40	148.3	29.8	821.9
2.90	1.45	1.45	153.6	30.9	815.5
3.00	1.50	1.50	158.9	31.9	809.2
3.10	1.55	1.55	164.2	33.0	802.8
3.20	1.60	1.60	169.5	34.0	796.5
3.30	1.65	1.65	174.8	35.1	790.1
3.40	1.70	1.70	180.1	36.2	783.7
3.50	1.75	1.75	185.4	37.2	777.4
3.60	1.80	1.80	190.7	38.3	771.0
3.70	1.85	1.85	196.0	39.4	764.6
3.80	1.90	1.90	201.3	40.4	758.3
3.90	1.95	1.95	206.6	41.5	751.9

MAY 27 2014
83997-2

Example mixing table for 2:1 ACQ-C (8% Cu) and a 50% quaternary ammonium chloride compound (DDACI) (2 component system)

Solution Strength (%)	Component Balance Actives basis		To mix 1000 gallons solution Combine the following gallons of		
	% Active CuO	% DDACI	8% alkaline copper	DDACI (50%)	Water
0.60	0.40	0.20	42.4	4.5	953.1
0.65	0.43	0.22	45.9	4.9	949.2
0.70	0.47	0.23	49.8	5.2	945.0
0.75	0.50	0.25	53.0	5.6	941.4
0.80	0.53	0.27	56.1	6.1	937.8
0.85	0.57	0.28	60.4	6.3	933.3
0.90	0.60	0.30	63.6	6.7	929.7
0.95	0.63	0.32	66.7	7.1	926.2
1.00	0.67	0.33	71.0	7.4	921.6
1.10	0.73	0.37	77.3	8.3	914.4
1.20	0.80	0.40	84.7	9.0	906.3
1.30	0.87	0.43	92.2	9.7	898.1
1.40	0.93	0.47	98.5	10.6	890.9
1.50	1.00	0.50	105.9	11.2	882.9
1.60	1.07	0.53	113.3	11.9	874.8
1.70	1.13	0.57	119.7	12.8	867.5
1.80	1.20	0.60	127.1	13.5	859.4
1.90	1.27	0.63	134.5	14.2	851.3
2.00	1.33	0.67	140.9	15.1	844.0
2.10	1.40	0.70	148.3	15.7	836.0
2.20	1.47	0.73	155.7	16.4	827.9
2.30	1.53	0.77	162.1	17.3	820.6
2.40	1.60	0.80	169.5	18.0	812.5
2.50	1.67	0.83	176.9	18.7	804.4
2.60	1.73	0.87	183.3	19.6	797.1
2.70	1.80	0.90	190.7	20.2	789.1
2.80	1.87	0.93	198.1	20.9	781.0
2.90	1.93	0.97	204.4	21.8	773.8
3.00	2.00	1.00	211.9	22.5	765.6
3.10	2.07	1.03	219.3	23.1	757.6
3.20	2.13	1.07	225.6	24.0	750.4
3.30	2.20	1.10	233.1	24.7	742.2
3.40	2.27	1.13	240.5	25.4	734.1
3.50	2.33	1.17	246.8	26.3	726.9
3.60	2.40	1.20	254.2	27.0	718.8
3.70	2.47	1.23	261.7	27.6	710.7
3.80	2.53	1.27	268.0	28.5	703.5
3.90	2.60	1.30	275.4	29.2	695.4

MAY 27 2014
83997-2

Example mixing table for .1 ACQ-C (8% Cu) and a 50% quaternary ammonium chloride compound (DDACI) (2 component system)

8/8

Solution Strength (%)	Component Balance Actives basis		To mix 1000 gallons solution Combine the following gallons of		
	%Active CuO	% DDACI	8% alkaline copper	DDACI (50%)	Water
0.60	0.30	0.30	31.8	6.7	961.5
0.65	0.33	0.33	34.4	7.4	958.2
0.70	0.35	0.35	37.1	7.9	955.0
0.75	0.38	0.38	39.7	8.5	951.8
0.80	0.40	0.40	42.4	9.0	948.6
0.85	0.43	0.43	45.0	9.7	945.3
0.90	0.45	0.45	47.7	10.1	942.2
0.95	0.48	0.48	50.3	10.8	938.9
1.00	0.50	0.50	53.0	11.2	935.8
1.10	0.55	0.55	58.3	12.4	929.3
1.20	0.60	0.60	63.6	13.5	922.9
1.30	0.65	0.65	68.9	14.6	916.5
1.40	0.70	0.70	74.2	15.7	910.1
1.50	0.75	0.75	79.4	16.9	903.7
1.60	0.80	0.80	84.7	18.0	897.3
1.70	0.85	0.85	90.0	19.1	890.9
1.80	0.90	0.90	95.3	20.2	884.5
1.90	0.95	0.95	100.6	21.3	878.1
2.00	1.00	1.00	105.9	22.5	871.6
2.10	1.05	1.05	111.2	23.6	865.2
2.20	1.10	1.10	116.5	24.7	858.8
2.30	1.15	1.15	121.8	25.8	852.4
2.40	1.20	1.20	127.1	27.0	845.9
2.50	1.25	1.25	132.4	28.1	839.5
2.60	1.30	1.30	137.7	29.2	833.1
2.70	1.35	1.35	143.0	30.3	826.7
2.80	1.40	1.40	148.3	31.5	820.2
2.90	1.45	1.45	153.6	32.6	813.8
3.00	1.50	1.50	158.9	33.7	807.4
3.10	1.55	1.55	164.2	34.8	801.0
3.20	1.60	1.60	169.5	36.0	794.5
3.30	1.65	1.65	174.8	37.1	788.1
3.40	1.70	1.70	180.1	38.2	781.7
3.50	1.75	1.75	185.4	39.3	775.3
3.60	1.80	1.80	190.7	40.4	768.9
3.70	1.85	1.85	196.0	41.6	762.4
3.80	1.90	1.90	201.3	42.7	756.0
3.90	1.95	1.95	206.6	43.8	749.6

MAY 27 2014
83997-2