



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs  
Antimicrobials Division (7510P)  
1200 Pennsylvania Avenue NW  
Washington, D.C. 20460

EPA Reg. Number:

83997-4

Date of Issuance:

SEP 23 2010

Term of Issuance:

Conditional

Name of Pesticide Product:

ACQ-C2

NOTICE OF PESTICIDE:

Registration

Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Viance, LLC  
200 East Woodlawn Road  
Suite 350  
Charlotte, NC 28217

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/ reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

Based on your response to the Copper RED, the EPA has reregistered this product subject to the comments recorded in the succeeding paragraph. This action is taken under the authority of section 4(g) (2) of the Federal Insecticide, Fungicide and Rodenticide Acts, as amended. Reregistration under this section does not eliminate the need for continual reassessment of pesticides. The EPA may require submission of data at any time to maintain the registration of the subject product.

Make the following label changes:

- Place the First Aid statements in the following order based on toxicity ranking:  
 "IF IN EYES...  
 IF ON SKIN OR CLOTHING...  
 IF SWALLOWED...  
 IF INHALED..."

Jacqueline McFarlane  
EPA (7510P)  
Antimicrobials Division  
1200 Pennsylvania Ave, NW  
Washington, DC 20460

Date:

SEP 23 2010

- 217
2. The emergency phone number needs to be corrected. It should read 1-800-424-9300. If this number is for emergency medical treatment information, it should be placed in the First Aid section following the statement, "Have the product container or label with you when calling a poison control center or doctor or going for treatment."
  3. Per the acute toxicity review, the Hazards to Humans and Domestic Animals must be revised to read:
    - a. "DANGER. Corrosive. Causes irreversible eye damage. Causes skin burns. Harmful if absorbed through skin. Do not get in eyes, on skin, or on clothing. Harmful if swallowed. Harmful if inhaled. Avoid breathing vapor or spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.
  4. Per the acute toxicity review and the RED, the following text with the heading Personal Protective Equipment must be added to the label:
    - a. "Mixers, loaders, applicators, and other handlers must wear: Coveralls over long-sleeved shirt and long pants; Socks and Chemicals resistant footwear; Goggles or face shield; Chemical-resistant gloves made of Barrier laminate, Butyl rubber, Nitrile rubber, Neoprene rubber, Polyvinyl chloride; and a Chemical-resistant apron when mixing, loading, or cleaning equipment."
    - b. "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."
  5. Per the RED, the following User Safety Requirements must be added to the label.
    - a. "User safety Requirements  
User must wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.  
User must removing 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."
  6. The Active Ingredient name must be revised to read Copper Ethanolamine Complex (CAS # 14215-52-2). The word "mixed" must be deleted.
  7. The Container Disposal language must be revised in accordance with PR Notice 2007-4. The Container Disposal must read, "Nonrefillable container. Do not

reuse or refill this container. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. The offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.”

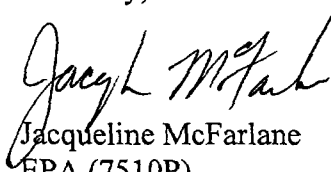
- 8. The Mixing Tables must be revised so that “CuO” reads “CEC”.

Submit two (2) copies of your final printed label before distributing or selling the product bearing the labeling revisions. A stamped copy of the label is enclosed for your records.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec.6 (e). Your release for shipment of the product constitutes acceptance of these conditions.

If you have questions concerning this matter, please contact me at (703) 308-6416 or by email at [Campbell-McFarland.Jacquelin@epa.gov](mailto:Campbell-McFarland.Jacquelin@epa.gov).

Sincerely,



Jacquiline McFarlane  
EPA (7510P)  
Antimicrobials Division  
1200 Pennsylvania Ave, NW  
Washington, DC 20460

Enclosures: Stamped Label

## PRECAUTIONARY STATEMENTS

### Hazards To Humans And Domestic Animals

**DANGER:** Corrosive. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful if swallowed, absorbed through the skin or inhaled. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

**ENVIRONMENTAL HAZARDS:** Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other water 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 Environmental Protection Agency.

### STORAGE & DISPOSAL

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

**Pesticide Storage:** Store in original container in a cool, dry place.

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

**Container Disposal:** 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.

## ACQ-C2

For the Control of Wood Damaging Fungi and Insects

<b>Active Ingredient:</b>	
Copper Ethanolamine Complex, Mixed (CAS # 14215-52-2)*	26.0%
<b>Inert Ingredients</b>	74.0%
<b>Total</b>	100.0%
*Metallic Copper equivalent, 9.0%	

### KEEP OUT OF REACH OF CHILDREN DANGER FIRST AID

**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 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 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 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**

## DIRECTIONS FOR USE

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

Use ACQ-C2 to control all types of fungal decay of wood products – brown, white and soft rot and wood eating insects including termites. ACQ-C2 should be used to treat any wood product that will be exposed to conditions favorable to rot, decay or insect attack both above ground and in ground or water. Types of products include lumber, timbers, landscape ties, fence posts, building and utility poles, land, freshwater and marine piling, sea walls, decking and wood shingles.

Tank mix ACQ-C2 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.

A 3% solution can be used to field coat the cut ends of pressure treated wood by brush-on application.

Manufactured For:  
Viance, LLC.  
200 East Woodlawn Road,  
Suite 350  
Charlotte NC 28217  
Email:  
[productinfo@viance.net](mailto:productinfo@viance.net)



**In case of Emergency**  
**Phone 800-424-9300 (CHEMURG)**  
ACCEPTED  
in EPA Letter Dated:  
SEP 23 2010

EPA Reg. No. 83997-4  
EPA Est. No. 10465-NC-1

Net Contents: \_\_\_\_\_

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No.

83997-4

116

## Example Mixing Table for ACQ®-C2 and Q50-C to make ACQ Type A

Required Solution Strength (% active)	Component balance (actives basis)		To mix 1000 gal treating solution combine the following quantities of		
	CuO	Quat	ACQ-C2 (gal)	Q50-C, Q50 or Q50M (gal)	Water (gal)
0.40%	0.20%	0.20%	14.0	4.1	981.9
0.45%	0.23%	0.23%	15.7	4.7	979.6
0.50%	0.25%	0.25%	17.5	5.2	977.3
0.55%	0.28%	0.28%	19.2	5.7	975.1
0.60%	0.30%	0.30%	21.0	6.2	972.8
0.65%	0.33%	0.33%	22.7	6.7	970.6
0.70%	0.35%	0.35%	24.5	7.3	968.3
0.75%	0.38%	0.38%	26.2	7.8	966.0
0.80%	0.40%	0.40%	28.0	8.3	963.8
0.85%	0.43%	0.43%	29.7	8.8	961.5
0.90%	0.45%	0.45%	31.4	9.3	959.2
0.95%	0.48%	0.48%	33.2	9.8	957.0
1.00%	0.50%	0.50%	34.9	10.4	954.7
1.05%	0.53%	0.53%	36.7	10.9	952.4
1.10%	0.55%	0.55%	38.4	11.4	950.2
1.15%	0.58%	0.58%	40.2	11.9	947.9
1.20%	0.60%	0.60%	41.9	12.4	945.6
1.25%	0.63%	0.63%	43.7	13.0	943.4
1.30%	0.65%	0.65%	45.4	13.5	941.1
1.35%	0.68%	0.68%	47.2	14.0	938.8
1.40%	0.70%	0.70%	48.9	14.5	936.6
1.45%	0.73%	0.73%	50.7	15.0	934.3
1.50%	0.75%	0.75%	52.4	15.5	932.0
1.55%	0.78%	0.78%	54.2	16.1	929.8
1.60%	0.80%	0.80%	55.9	16.6	927.5
1.65%	0.83%	0.83%	57.7	17.1	925.2
1.70%	0.85%	0.85%	59.4	17.6	923.0
1.75%	0.88%	0.88%	61.2	18.1	920.7
1.80%	0.90%	0.90%	62.9	18.7	918.4
1.85%	0.93%	0.93%	64.7	19.2	916.2
1.90%	0.95%	0.95%	66.4	19.7	913.9
1.95%	0.98%	0.98%	68.1	20.2	911.6
2.00%	1.00%	1.00%	69.9	20.7	909.4
2.05%	1.03%	1.03%	71.6	21.3	907.1

Required Solution Strength (% active)	Component balance (actives basis)		To mix 1000 gal treating solution combine the following quantities of		
	CuO	Quat	ACQ-C2 (gal)	Q50-C, Q50 or Q50M (gal)	Water (gal)
2.10%	1.05%	1.05%	73.4	21.3	904.8
2.15%	1.08%	1.08%	75.1	22.3	902.6
2.20%	1.10%	1.10%	76.9	22.8	900.3
2.25%	1.13%	1.13%	78.6	23.3	898.0
2.30%	1.15%	1.15%	80.4	23.8	895.8
2.35%	1.18%	1.18%	82.1	24.4	893.5
2.40%	1.20%	1.20%	83.9	24.9	891.2
2.45%	1.23%	1.23%	85.6	25.4	889.0
2.50%	1.25%	1.25%	87.4	25.9	886.7
2.55%	1.28%	1.28%	89.1	26.4	884.4
2.60%	1.30%	1.30%	90.9	27.0	882.2
2.65%	1.33%	1.33%	92.6	27.5	879.9
2.70%	1.35%	1.35%	94.4	28.0	877.6
2.75%	1.38%	1.38%	96.1	28.5	875.4
2.80%	1.40%	1.40%	97.9	29.0	873.1
2.85%	1.43%	1.43%	99.6	29.5	870.8
2.90%	1.45%	1.45%	101.4	30.1	868.6
2.95%	1.48%	1.48%	103.1	30.6	866.3
3.00%	1.50%	1.50%	104.9	31.1	864.0
3.05%	1.53%	1.53%	106.6	31.6	861.8
3.10%	1.55%	1.55%	108.4	32.1	859.5
3.15%	1.58%	1.58%	110.1	32.7	857.2
3.20%	1.60%	1.60%	111.9	33.2	855.0
3.25%	1.63%	1.63%	113.6	33.7	852.7
3.30%	1.65%	1.65%	115.3	34.2	850.4
3.35%	1.68%	1.68%	117.1	34.7	848.2
3.40%	1.70%	1.70%	118.8	35.3	845.9
3.45%	1.73%	1.73%	120.6	35.8	843.6
3.50%	1.75%	1.75%	122.3	36.3	841.4
3.55%	1.78%	1.78%	124.1	36.8	839.1
3.60%	1.80%	1.80%	125.8	37.3	836.8
3.65%	1.83%	1.83%	127.6	37.8	834.6
3.70%	1.85%	1.85%	129.3	38.4	832.3
3.75%	1.88%	1.88%	131.1	38.9	830.0

JIM

## Example Mixing Table for ACQ®-C2 and Q50-C to make ACQ Type D

Required Solution strength (% active)	Component balance (actives basis)		To mix 1000 gal treating solution combine the following quantities of		
	CuO	Quat	ACQ-C2 (gal)	Q50-C, Q50 or Q50M (gal)	Water (gal)
0.40%	0.27%	0.13%	18.6	2.8	978.6
0.45%	0.30%	0.15%	21.0	3.1	975.9
0.50%	0.33%	0.17%	23.3	3.5	973.3
0.55%	0.37%	0.18%	25.6	3.8	970.6
0.60%	0.40%	0.20%	28.0	4.1	967.9
0.65%	0.43%	0.22%	30.3	4.5	965.2
0.70%	0.47%	0.23%	32.6	4.8	962.6
0.75%	0.50%	0.25%	34.9	5.2	959.9
0.80%	0.53%	0.27%	37.3	5.5	957.2
0.85%	0.57%	0.28%	39.6	5.9	954.5
0.90%	0.60%	0.30%	41.9	6.2	951.8
0.95%	0.63%	0.32%	44.3	6.6	949.2
1.00%	0.67%	0.33%	46.6	6.9	946.5
1.05%	0.70%	0.35%	48.9	7.3	943.8
1.10%	0.73%	0.37%	51.3	7.6	941.1
1.15%	0.77%	0.38%	53.6	7.9	938.5
1.20%	0.80%	0.40%	55.9	8.3	935.8
1.25%	0.83%	0.42%	58.2	8.6	933.1
1.30%	0.87%	0.43%	60.6	9.0	930.4
1.35%	0.90%	0.45%	62.9	9.3	927.8
1.40%	0.93%	0.47%	65.2	9.7	925.1
1.45%	0.97%	0.48%	67.6	10.0	922.4
1.50%	1.00%	0.50%	69.9	10.4	919.7
1.55%	1.03%	0.52%	72.2	10.7	917.1
1.60%	1.07%	0.53%	74.6	11.1	914.4
1.65%	1.10%	0.55%	76.9	11.4	911.7
1.70%	1.13%	0.57%	79.2	11.7	909.0
1.75%	1.17%	0.58%	81.5	12.1	906.4
1.80%	1.20%	0.60%	83.9	12.4	903.7
1.85%	1.23%	0.62%	86.2	12.8	901.0
1.90%	1.27%	0.63%	88.5	13.1	898.3
1.95%	1.30%	0.65%	90.9	13.5	895.7
2.00%	1.33%	0.67%	93.2	13.8	893.0
2.05%	1.37%	0.68%	95.5	14.2	890.3

Required Solution strength (% active)	Component balance (actives basis)		To mix 1000 gal treating solution combine the following quantities of		
	CuO	Quat	ACQ-C2 (gal)	Q50-C, Q50 or Q50M (gal)	Water (gal)
2.10%	1.40%	0.70%	97.9	14.5	887.6
2.15%	1.43%	0.72%	100.2	14.9	885.0
2.20%	1.47%	0.73%	102.5	15.2	882.3
2.25%	1.50%	0.75%	104.8	15.6	879.6
2.30%	1.53%	0.77%	107.2	15.9	876.9
2.35%	1.57%	0.78%	109.5	16.2	874.2
2.40%	1.60%	0.80%	111.8	16.6	871.6
2.45%	1.63%	0.82%	114.2	16.9	868.9
2.50%	1.67%	0.83%	116.5	17.3	866.2
2.55%	1.70%	0.85%	118.8	17.6	863.5
2.60%	1.73%	0.87%	121.2	18.0	860.9
2.65%	1.77%	0.88%	123.5	18.3	858.2
2.70%	1.80%	0.90%	125.8	18.7	855.5
2.75%	1.83%	0.92%	128.2	19.0	852.8
2.80%	1.87%	0.93%	130.5	19.4	850.2
2.85%	1.90%	0.95%	132.8	19.7	847.5
2.90%	1.93%	0.97%	135.1	20.0	844.8
2.95%	1.97%	0.98%	137.5	20.4	842.1
3.00%	2.00%	1.00%	139.8	20.7	839.5
3.05%	2.03%	1.02%	142.1	21.1	836.8
3.10%	2.07%	1.03%	144.5	21.4	834.1
3.15%	2.10%	1.05%	146.8	21.8	831.4
3.20%	2.13%	1.07%	149.1	22.1	828.7
3.25%	2.17%	1.08%	151.5	22.5	826.1
3.30%	2.20%	1.10%	153.8	22.8	823.4
3.35%	2.23%	1.12%	156.1	23.2	820.7
3.40%	2.27%	1.13%	158.5	23.5	818.0
3.45%	2.30%	1.15%	160.8	23.8	815.4
3.50%	2.33%	1.17%	163.1	24.2	812.7
3.55%	2.37%	1.18%	165.5	24.5	810.0
3.60%	2.40%	1.20%	167.8	24.9	807.3
3.65%	2.43%	1.22%	170.1	25.2	804.7
3.70%	2.47%	1.23%	172.4	25.6	802.0
3.75%	2.50%	1.25%	174.8	25.9	799.3

## Example Mixing Table for ACQ®-C2 and Ecovance™ wood preservative components

Solution strength (% active)	Component balance (actives basis)		To Mix 1000 gallons treating solution combine the following quantities of		
	CuO	DCOIT	ACQ-C2 (gal)	Ecovance (gal)	Water (gal)
0.50%	0.479%	0.021%	33.4	0.9	965.7
0.55%	0.527%	0.023%	36.8	1.0	962.2
0.60%	0.574%	0.026%	40.1	1.1	958.8
0.65%	0.622%	0.028%	43.5	1.1	955.4
0.70%	0.670%	0.030%	46.8	1.2	951.9
0.75%	0.718%	0.032%	50.2	1.3	948.5
0.80%	0.766%	0.034%	53.5	1.4	945.1
0.85%	0.814%	0.036%	56.9	1.5	941.6
0.90%	0.862%	0.038%	60.2	1.6	938.2
0.95%	0.910%	0.040%	63.5	1.7	934.8
1.00%	0.957%	0.043%	66.9	1.8	931.3
1.05%	1.005%	0.045%	70.2	1.9	927.9
1.10%	1.053%	0.047%	73.6	1.9	924.5
1.15%	1.101%	0.049%	76.9	2.0	921.0
1.20%	1.149%	0.051%	80.3	2.1	917.6
1.25%	1.197%	0.053%	83.6	2.2	914.2
1.30%	1.245%	0.055%	87.0	2.3	910.7
1.35%	1.293%	0.057%	90.3	2.4	907.3
1.40%	1.340%	0.060%	93.6	2.5	903.9
1.45%	1.388%	0.062%	97.0	2.6	900.4
1.50%	1.436%	0.064%	100.3	2.6	897.0
1.55%	1.484%	0.066%	103.7	2.7	893.6
1.60%	1.532%	0.068%	107.0	2.8	890.1
1.65%	1.580%	0.070%	110.4	2.9	886.7
1.70%	1.628%	0.072%	113.7	3.0	883.3
1.75%	1.676%	0.074%	117.1	3.1	879.8
1.80%	1.723%	0.077%	120.4	3.2	876.4
1.85%	1.771%	0.079%	123.8	3.3	873.0
1.90%	1.819%	0.081%	127.1	3.4	869.5
1.95%	1.867%	0.083%	130.4	3.4	866.1
2.00%	1.915%	0.085%	133.8	3.5	862.7