

PM 34

10465-40

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U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (H7505C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg. Number:

10465-40

Date of Issuance:

JAN - 6 1999

NOTICE OF PESTICIDE:

Registration  
 Reregistration

Term of Issuance: Until Reregistration

Name of Pesticide Product:

ACQ 2101

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Chemical Specialties, Inc.  
One Woodlawn Green, Suit 250  
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/reregistration 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.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data or other material required for registration/reregistration of your product under FIFRA sec. 3(c)(5) or FIFRA sec. 4 when the Agency requires all registrants of similar products to submit such data.

2. Make the labeling changes listed below before you release the product for shipment:

Signature of Approving Official:

*AY*  
Adam Heyward, Product Manager (34)  
Regulatory Management Branch II  
Antimicrobials Division (7510W)

Date:

JAN - 6 1999

- a. Add the phrase, "EPA Registration No. 10465-40".
- b. Revise the precautionary statement to read:

DANGER: Corrosive. Causes skin burns and irreversible eye damage. May be fatal if inhaled. Harmful if swallowed. Do not get in eyes, on skin, or clothing. Wear protective goggles or face shield, protective clothing, and rubber gloves [or specify a type of chemical-resistant gloves]. Do not breath vapors, Wear a mask or pesticide respirator approved by the National Institute for Occupational Safety and Health. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

Revise the statement "Individuals who enter pressure treatment cylinders and other related equipment contaminated with wood treatment solution..." to explicitly include spray-treatment booths/compartments. The term "other related equipment" is not explicit enough.

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

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.

A stamped copy of the label is enclosed for your records.

Sincerely,



Adam Heyward  
Product Manager 34  
Regulatory Management Branch II  
Antimicrobials Division (7510W)

Enclosure

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER CORROSIVE. Causes irreversible eye damage and skin burns. May be fatal if swallowed, absorbed through the skin, or inhaled. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield, protective clothing and rubber gloves when handling. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove contaminated clothing and wash before reuse. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

Individuals who enter pressure treatment cylinders and other related equipment contaminated with wood treatment solution (e.g. cylinders that are in operation or are not free of the treatment solution) must wear properly fitting, well-maintained, high-efficiency respirators, MSHA/NIOSH-approved for ammonia. If level of ammonia in the plant is unknown or exceeds 35 ppm (STEL) or 25 ppm (ACGIH) of air averaged over an 8-hour work period, air monitoring programs, procedures and record retention and submission must be conducted in accordance with OSHA standards.

### ENVIRONMENTAL HAZARDS

Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters. 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 authority. For guidance, contact your State Water Board or Regional Office of the EPA.

# ACQ 2101

## Wood Preservative Concentrate

### ACTIVE INGREDIENTS

Copper ammonium carbonate*	22.2%
n-Alkyl (67% C <sub>12</sub> , 25% C <sub>14</sub> , 7% C <sub>16</sub> , 1% C <sub>18</sub> ) dimethyl benzyl ammonium chloride	4.6%
Inert ingredients	73.2%
TOTAL:	100.0%
*copper oxide equivalent	9.3%

### KEEP OUT OF REACH OF CHILDREN DANGER

#### STATEMENT OF PRACTICAL TREATMENT

**IF IN EYES:** Hold eyelids open and flush with a steady gentle stream of water for 15 minutes. Get medical attention.

**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention.

**IF SWALLOWED:** Call a doctor or get medical attention. Do not induce vomiting or give anything by mouth to an unconscious person. Drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol.

**IF INHALED:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

#### SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

Net Contents:           1 GAL          

EPA Reg. No 10465-~~1117~~ EPA Est. No. 10465-NC-1

Manufactured by:  
Chemical Specialties, Inc.  
One Woodlawn Green  
Charlotte, NC 28217  
In case of emergency, phone 704-455-5181

## DIRECTIONS FOR USE

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

### GENERAL INFORMATION

ACQ 2101 is a formulation of copper oxide as copper ammonium carbonate and Alkyl dimethyl benzyl ammonium chloride for the formulation of ammoniacal copper quat (ACQ) wood preservative solutions.

The contents are for use in vacuum-pressure or spray application treatment systems for wood products. Wood products should only be treated with water dilutions ranging from 0.5% to 10% active ingredient(s) by weight. Impregnation procedures must rigidly adhere to applicable specifications of the American Wood Preservers' Association. Treated wood is provided protection against termites and wood decay fungi.

Note: Do not use in contact with brass, bronze or copper.

### SPECIFIC USE INSTRUCTIONS

for ACQ2101 Solutions:

Refer to mixing instructions in the attached Technical Bulletin

### 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 rinsate is a violation of Federal law. If these wastes cannot be disposed of 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 of by state and local authorities.

with COMMENTS  
in EPA Letter Dated:

JAN - 6 1989

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. 10465-40

3075

## CONDITIONS OF SALE AND WARRANTY

Seller warrants that this product conforms to the 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 THIS 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 SELLER'S CONTROL, SELLER'S LIABILITY FOR ANY LOSS OR DAMAGES ARISING OUT OF ANY 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 THE 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 one year from the date of delivery of ACQ 2101 for which a claim is alleged, shall constitute a waiver by Buyer of any such claim.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

JAN - 6 1993

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. 10465-40

4075

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

JAN - 6 1999

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

10465-40  
ACQ Mixing Table  
To Mix 1000 Gallons of Solution

TECHNICAL BULLETIN  
ACQ® - 2101

% Solution	Gallons ACQ Conc.	Gallons Water	% Solution	Gallons ACQ Conc.	Gallons Water	% Solution	Gallons ACQ Conc.	Gallons Water
0.50%	31.1	968.9	3.70%	236.9	763.1	6.90%	455.4	544.6
0.60%	37.3	962.7	3.80%	243.5	756.5	7.00%	462.5	537.5
0.70%	43.6	956.4	3.90%	250.2	749.8	7.10%	469.5	530.5
0.80%	49.9	950.1	4.00%	256.8	743.2	7.20%	476.5	523.4
0.90%	56.2	943.8	4.10%	263.5	736.5	7.30%	483.7	516.3
1.00%	62.5	937.5	4.20%	270.2	729.8	7.40%	490.8	509.2
1.10%	68.8	931.2	4.30%	276.9	723.1	7.50%	497.9	502.1
1.20%	75.1	924.9	4.40%	283.6	716.4	7.60%	505.0	495.0
1.30%	81.4	918.6	4.50%	290.3	709.7	7.70%	512.2	487.8
1.40%	87.8	912.2	4.60%	297.0	703.0	7.80%	519.3	480.7
1.50%	94.1	905.9	4.70%	303.8	696.2	7.90%	526.5	473.5
1.60%	100.5	899.5	4.80%	310.5	689.5	8.00%	533.7	466.3
1.70%	106.9	893.1	4.90%	317.3	682.7	8.10%	540.9	459.1
1.80%	113.2	886.8	5.00%	324.1	675.9	8.20%	548.1	451.9
1.90%	119.6	880.4	5.10%	330.9	669.1	8.30%	555.3	444.7
2.00%	126.1	873.9	5.20%	337.7	662.3	8.40%	562.6	437.4
2.10%	132.5	867.5	5.30%	344.5	655.5	8.50%	569.8	430.2
2.20%	138.9	861.1	5.40%	351.3	648.7	8.60%	577.1	422.9
2.30%	145.4	854.6	5.50%	358.2	641.8	8.70%	584.4	415.6
2.40%	151.8	848.2	5.60%	365.1	634.9	8.80%	591.7	408.3
2.50%	158.3	841.7	5.70%	371.9	628.1	8.90%	599.0	401.0
2.60%	164.8	835.2	5.80%	378.8	621.2	9.00%	606.3	393.7
2.70%	171.3	828.7	5.90%	385.7	614.3	9.10%	613.6	386.4
2.80%	177.8	822.2	6.00%	392.6	607.4	9.20%	620.9	379.0
2.90%	184.3	815.7	6.10%	399.5	600.5	9.30%	628.4	371.6
3.00%	190.8	809.2	6.20%	406.5	593.5	9.40%	635.7	364.3
3.10%	197.4	802.6	6.30%	413.4	586.6	9.50%	643.1	356.9
3.20%	203.9	796.1	6.40%	420.4	579.6	9.60%	650.6	349.4
3.30%	210.5	789.5	6.50%	427.4	572.6	9.70%	658.0	342.0
3.40%	217.1	782.9	6.60%	434.4	565.6	9.80%	665.4	334.6
3.50%	223.7	776.3	6.70%	441.4	558.6	9.90%	672.9	327.1
3.60%	230.3	769.7	6.80%	448.4	551.6	10.00%	680.4	319.6

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