

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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48301-24

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JUL 10 1991

Mr. Allen F. Bollmeier
Angus Chemical Co.
2211 Sanders Road
Northbrook, Illinois 60062

Dear Mr. Bollmeier:

Subject: Amical Flowable
EPA Reg. No. 48301-24
Your Submission of May 15, 1991

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act is acceptable provided that you:

1. Submit/cite all data required for registration and/or reregistration of your product under FIFRA section 3(c)(5) or 4(a) 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 bearing the amended labeling:
 - a. The dosage rate for the end-user must be clarified. Since the product is a liquid, change "oz." to "fl. oz."
 - b. Under Environmental Hazards, change the second sentence to "Do not contaminate water when disposing of equipment washwaters".
 - c. Assure that labels and advertising for distributors of the end-user products are in compliance with EPA Regulations (40 CFR 152.130 and 152.132) since both the registrant and the distributor may be held liable for violations pertaining to the distributor product.
3. Submit five (5) copies of your final printed labeling before you release the product for shipment.

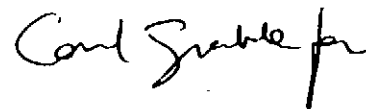
If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

BOL
ME

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A sta ped copy of the label is enclosed for your records.

Sincerely yours,



Susan T. Lewis
Product Manager (21)
Fungicide-Herbicide Branch
Registration Division (H-7505C)

Enclosure

H7505C:C.Grable:cg:7/1/91

AMICAL® FLOWABLE

ANTIMICROBIAL AGENT

ACTIVE INGREDIENT*:

Diodomethyl p-tolyl sulfone

40%(w/w)

INERT INGREDIENTS:

60%(w/w)

* 1 gallon provides 4.4 lb. active ingredient)

ACCEPTED
with **COMMENTS**
in EPA Letter Dated:
JUL 10 1991
Under the Federal
Pesticide, and In-
secticide, for the
Registration under EPA Reg. No. 48301-24

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS
(AND DOMESTIC ANIMALS)**

CAUTION!

KEEP OUT OF REACH OF CHILDREN

May be harmful if absorbed through skin.

May cause eye irritation.

Avoid contact with skin.

Wash thoroughly after use.

Do not take internally.

**STATEMENT OF PRACTICAL
TREATMENT**

IF ON SKIN, wash thoroughly with water.

IF IN EYES, flush with plenty of water and seek medical attention if irritation persists.

EPA Reg. No. 48301-24
EPA Est. No. 37429-GA-1

U.S. Patent Nos.: 3,615,745; 3,657,353,
3,653,623; 3,806,351; 4,078,888,
and 4,130,434

STORAGE AND DISPOSAL

STORAGE: Do not contaminate water, food or feed by storage or disposal. Keep container closed when not in use. Protect from freezing.

PESTICIDE DISPOSAL: Wastes resulting from use of this product may be disposed of on site or at approved waste disposal facility.

CONTAINER DISPOSAL: Triple rinse (or equivalent), then puncture and dispose of in a sanitary land or by incineration, or if allowed by state and local authorities, by burning. If burned stay out of smoke.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not contaminate any body of water by cleaning of equipment or disposal of wastes.

24 Hour
Emergency
Telephone **(318)665-4451**

ANGUS®

ANGUS Chemical Company
2211 Sanders Road
Northbrook, IL 60062 U.S.A.

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ACCEPTED
with COMMENTS
in EPA Letter Dated:

JUL 10 1991

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide
registered under EPA Reg. No.
48301-24

STORAGE AND DISPOSAL

STORAGE: Do not contaminate water, food or feed by storage or disposal. Keep container closed when not in use. Protect from freezing.

PESTICIDE DISPOSAL: Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Triple rinse (or equivalent), then puncture and dispose of in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned stay out of smoke.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not contaminate any body of water by cleaning of equipment or disposal of waste.

24 Hour
Emergency
Telephone **(318)655-4451**

AMICAL FLOWABLE

ANTIMICROBIAL AGENT

ACTIVE INGREDIENT*:	
Diiodomethyl p-tolyl sulfone	40%(w/w)
INERT INGREDIENTS:	60%(w/w)
	TOTAL 100%

* (1 gallon weighs 11 lb and provides 4.4 lb active ingredient)

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS (AND DOMESTIC ANIMALS)

CAUTION!

KEEP OUT OF REACH OF CHILDREN
May be harmful if absorbed through skin.
May cause eye irritation.
Avoid contact with skin.
Wash thoroughly after use.
Do not take internally.

STATEMENT OF PRACTICAL TREATMENT

IF ON SKIN, wash thoroughly with water.
IF IN EYES, flush with plenty of water and seek medical attention if irritation persists.
EPA Reg. No. 48301-24 EPA Est. No. 37429-GA-1
U.S. Patent Nos.: 3,615,745; 3,657,353; 3,663,623; 3,806,351;
4,078,888; and 4,130,434
NET WEIGHT: 25 lb



ANGUS Chemical Company
2211 Sanders Road
Northbrook, IL 60062 U.S.A.

Add 0.75 oz to each 1 gallon of paint

DIRECTIONS FOR USE

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

USE IN PAINTS AND PIGMENTS DISPERSIONS
Amical Flowable is an effective mildewcide and algicide for latex paint, solvent-based pigments, and oil-based pigments. Use levels are dependent upon paint formulation to be protected and upon severity of field conditions. In paint systems formulated without zinc oxide, use 4-10 lb/100 gallons of paint. In formulations containing 50 lb zinc oxide, use 5-8 lb Amical Flowable per 100 gallons of paint. In pigment dispersions, use Amical Flowable at concentrations ranging from 0.01-0.1% (based on dry weight of pigment). Amical Flowable can be added at any stage of the manufacturing process, purchase, or by the end-user.

USE IN CAULKS AND ADHESIVES
Amical Flowable is recommended for use in adhesives and sealants where mildew growth may be a problem. Suggested levels (% by wt. Amical Flowable) are: Ceramic 0.05-0.37, Wallboard Joint Compounds (Ready Mix) 0.02-0.75, Vinyl Wallpaper Pastes 0.01-0.37, Latex Caulks 0.12-0.75. Add Amical Flowable at a point in the production process where mixing will assure good suspension of the material as other ingredients are added.

USE IN LEATHER TANNING
Amical Flowable is used in protecting chrome or vegetable tanned leather, from mold and mildew during processing and for protecting wet-blue during long storage and long transport. For normal protection of chrome-tanned cattle hides (based on white weight of hides) use 0.08-0.11%, and for goat and small skins use 0.08-0.11% (based on dry basis of the skin weight, assuming dried weight to be 20% dry weight). For sheep, and on goat and small skins follow recommendations for normal protection of chrome-tanned hides for all types of skins. When long hold or export protection is required, use 0.03-0.11-0.17% for sheep, and on goat and small skins follow recommendations for normal protection of chrome-tanned hides for all types of skins. In all applications, add the Amical Flowable through the chrome solution should be done just prior to chrome addition, or together with the formalin. In the case of vegetable tanned leather, add Amical Flowable prior to the prime liquor feed.

USE IN WOOD PRESERVATION—FOR ABOVE GROUND USE ONLY
Amical Flowable can be used for control of mildew, sapstain and wood rotting organisms in wood preservative formulations or incorporated into other registered wood preservatives. For typical end uses (lumber, furniture, frames, fences, decking, shingles and siding, logs and poles). Add Amical Flowable to water-based treatment solution with constant agitation for optimum results. Concentration of active ingredient are recommended. For dip treatments, submerge for a minimum of 24 hours. Applications should use at least 0.5% (w/w a.i.) concentration Amical Flowable. Spray applications use 0.05-1.0 pcf are recommended. For pressure treatment, retention levels of 0.05-1.0 pcf are recommended. Amical Flowable can be used with other wood preservatives such as chromated copper arsenate, ammonium compounds, borates, tributyltin compounds, and zinc pyrrolone salt at 1.0 ppm. In cases where Amical Flowable is incorporated into a formulation, wood preservative directions for the finished product. Do not use treated wood where there is direct contact with potable water, livestock, or dairy animals or for surfaces likely to have repeated or direct contact. Uses where there will be direct contact with plants are not recommended.

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