

DATE OUT: 07/19/95

SUBJECT: EP [x] MP [] PRODUCT CHEMISTRY REVIEW
DP BARCODE No.: D216998 REG./File Symbol No.: 499-UGU
PRODUCT NAME: WHITMIRE TC-149A
COMPANY: WHITMIRE RESEARCH LABORATORIES, INC.

TO: PM #13, PM Name/CRM Name George Larocca
Branch Name Insecticide Rodenticide
Registration Division (H7505C)

FROM: Indira Gairola, Chemist/Date/Phone No. 308-8371
Product Chemistry Review Section
Registration Support Branch/RD (H7505W)

THRU: Harold Podall, Section Head *HR*
Product Chemistry Review Section *7/21/95*

SUMMARY OF FINDINGS:

Applicant has submitted Product Chemistry Data for the
aforementioned product, our comments are listed below:

1. Since the product is a pressurized liquid it is advisable to have a flame extension of this product.
2. It would be advisable to ask the Applicant needs to keep a 1 year Storage Stability Data, and submit when requested.

*think
get
done
or loose
not
need
62*

EP ☒ MP ☐ PRODUCT CHEMISTRY REVIEW

1. DP BARCODE No.: D216998 2. REG./File Symbol No.: 499-UGU
3. Registration ☒ 4. Reregistration ☐, Rereg Case No. _____
5. Product Name: Whitmire TC 149A
6. Pesticide Type: a. Fungicide ☐ b. Herbicide ☐
c. Insecticide ☒ d. Rodenticide ☐ e. Antimicrobial ☐
f. Plant Growth Regulator ☐ g. Others: _____
7. Uses: a. Food ☐ b. Non food use ☒
8. Type of Submission: New ☒ Resubmission ☐ Amendment ☐
"ME-TOO" ☐ Alternate Formulation ☐ Repack ☐
Experimental Use Permit ☐ Other (Specify) _____
9. If "Me-TOO" Registration, this product is ☐ is not ☐
similar or substantially similar to EPA's Reg. No.: _____,

If not, comment in Confidential Appendix A on the differences
between the registered and the new source where significant.
10. Information to be reviewed:

a. CSF ☒: Basic ☐ Alternate ☐
b. Label ☒ c. Product Chemistry ☒

CONFIDENTIAL STATEMENT OF FORMULA, DATED 06/14/1995 :

11. Type of formulation and the sources of active ingredients:
a. Non-integrated formulation system.....[]
b. Are all technical grade active ingredients used
registered? • yes ☒ • no ☐
c. Integrated formulation system.....[]
12. Basic Properties:
a. Physical state at ambient temperature: Pressurized liquid
b. Density (or bulk density for solids)/temperature:
9.22lbs/gal at 20° C

2

c. pH of product: 8.12

d. Flash point (or flame extension for aerosols):
No flash upto 200° F

13. Composition: The nominal concentrations (NC) of the active ingredients and the upper and lower certified limits (UCL & LCL) are as follows:

Active ingredient(s)	% by weight		
	NC	UCL	LCL
Abamectin(70%) Bla and Blb	0.0174	0.0750	0.0679
	0.0174	0.0525	0.0475

14. The calculated NCs, based on the pure active ingredients (PAI), are identical to those on the label:

• yes [] • no []

These limits are subject to review after the revised CSF is submitted.

15. The certified limits are within the standard limits as per 40CFR§158.175 or are adequately explained if different:

• yes [] • no [] [subject to review]

16. Clearance of intentionally added ingredients in the formulation for the intended use:

a. Formulation intended for food use under 40CFR§180.1001:

• yes [] • no [x] • Some are cleared, others are not []

• Cleared under list: • c [] • d [] • e []

• Are there any limitations for use as an inert under 40CFR§180.1001?

• yes [] • no [], If yes, specify: _____

b. Formulation intended for non-food use:

• yes [x] • no [] • Some are cleared, others are not []

c. Clearance by the FDA of certain formulations under 21CFR §170 to 199.

INERT INGREDIENT INFORMATION IS NOT REQUIRED

• yes [] • no [] • Some are cleared, others are not []

If yes, the entire formulation is cleared under 21CFRS__

17. For products produced by an integrated formulation system:
- All impurities of toxicological significance have an UCL:
 - yes [] • no [] • not applicable [x]
 - All other impurities $\geq 0.1\%$ associated with the active ingredient in the product are reported at their nominal concentrations:
 - yes [] • no [] • not applicable [x]

PRODUCT LABEL, EPA RECEIVED 07/05/1995 :

18. The active ingredients statement (chemical identities, nominal concentrations) is consistent with the CSF • yes [] • no []
Subject to review.
19. The formulation contains one of the following:
- 10% or more of a petroleum distillate: • yes [] • no [x]
 - 1% or more of methyl alcohol: • yes [] • no [x]
 - sodium nitrite at any level: • yes [] • no [x]
 - a toxic List 1 inert at any level: • yes [] • no [x]
 - arsenic in any form: • yes [] • no [x]
20. If yes to any of the above, does the inert ingredients statement contains a footnote indicating this?
- yes [] • no [] • not applicable [x]
21. The appropriate physical and chemical hazards statement regarding flammability or explosive characteristics of the product are given on the label:
- yes [x] • no [] • not applicable []
22. The storage and disposal instructions for the pesticide and container are in compliance with PR Notice 84-1 for household use products or PR Notice 83-3 for all other uses:
- yes [x] • no []

4

PRODUCT CHEMISTRY DATA (SERIES 61 and 62)

23. <u>Chemical IDs/Manufacture/ Analytical Information</u>	<u>Data Required Fulfilled</u>	<u>MRID No.</u>
61-1 Chemical Identity	Y	436955
61-2 Starting Materials & Manufact or Formulation Process	N	
61-3 Discussion of Impurities	Y	"
62-1 Preliminary Analysis	N	
62-2 Certified Limits	?	
62-3 Enforcement Analytical Method	Y	"

PRODUCT CHEMISTRY DATA (SERIES 63)

24. <u>Physical/Chemical Properties</u>	<u>Data Required Fulfilled</u>	<u>Value or Qualitative Description</u>	<u>MRID No.</u>
63-3 Physical State	Y	pressurized liquid	436955-01
63-7 Density/Bulk Density	Y	9.22lbs /gal	"
63-12 pH of Product	Y	8.12	"
63-15a Flammability-Flash Point	Y	No Flash upto 200°C	"
63-15b Flame Extension	N	Must provide Flame extension	"
63-16 Explodability	Y	N/A	"
63-17 Storage Stability	N	needs to submit	
63-18 Viscosity	Y	3.57 cps	
63-19 Miscibility (With Hydrocarbon solvents)	N	N/A	
63-20 Corrosion Characteristics	N	Needs to submit	
63-21 Dielectric Breakdown Voltage	N	N/A	

Explanations: Y = The Requirements Were Fulfilled; N = The Requirements Were Not Fulfilled; NA = Not Applicable; G = Data Gap; U = Requires Upgrading; I = Incomplete or In Progress; W = Waived.

cc: Reviewer's Name and Central File (Reg No.)

H7505W:RD:RSB:PCRS:CS-1:Rmxxx:Reviewer:xx/xx/95:703-308-xxxx:Code No.(Reg No).

5