

DATE OUT: _____

SUBJECT: PRODUCT CHEMISTRY REVIEW OF:
A MANUFACTURING-USE [] OR AN END-USE PRODUCT [✓]
DP Barcode D233225 Reg. No. or File Symbol No. 70087-R

TO: (PM Team Reviewer)
PM Team No. 31 *Marion Johnson/ Karen Leavy*

FROM: (Chemist/Date)
Product Chemistry Review Section
Registration Support Branch/RD (WH705W)

THRU: Harold Podall, Ph.D., Section Head
Registration Support Branch/RD (WH7505W)

NR
2/26/97

SUMMARY OF INFORMATION REVIEWED AND FINDINGS

A. Provided product chemistry data no MRID No, dated 12-6-96 rec'd 12-11-96 is in compliance with 40 CFR part 158.155-158.190 it provides data for Guideline Series 61, 62 and 63 and it satisfies product chemistry data requirement for this product.

B. Registrant should submit correct Confidential Statement of Formula and enter correct chemical name for the active ingredient and enter correct nominal concentration and correct certified limits for active ingredient and inert ingredients

Please note that the nominal concentrations and certified limits do not agree with enclosed data dated 12-6-96.

C. Submit correct ingredient statement enter correct percent for the active ingredient. Is it 0.84% stated in the label or is it 0.71% stated in the data.

D. Submit 1 year storage and stability data to support 1 year shelf life claim. Also include in the label expiration date.

Anna Skopas
2-26-97

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PRODUCT CHEMISTRY REVIEW

END-USE PRODUCT ☒ MANUFACTURING-USE PRODUCT ☐
EPA Reg. No. (or File Symbol No.) 70087-R

Registration ☒

Reregistration ☐
Case No.: _____

DP Barcode/Chemist: ^{D233225} Anna Skopars

- 1) _____ 3) _____
2) _____ 4) _____

1. Product Name: *Zoonocide*
2. Company: *Coating Systems*
3. Type of Submission: New ☒ Resubmission ☐ Amendment ☐
"ME-TOO" ☐ Alternate Formulation ☐ REPACK ☐
Expt Use Permit ☐ Other (Specify) _____

4. CONFIDENTIAL STATEMENT OF FORMULA

4a. Type of formulation and source registration

- Non-integrated formulation system ☐
 - Are all TGAIs used registered • yes ☐ • no ☐
- Integrated formulation system ☒
- If "ME-TOO", specify EPA Reg. No. of existing product: _____

4b. Clearance of inerts for non-food or food use:

- Cleared for food use under 40CFR§180.1001:
• yes ☐ • no ☐. If yes: • c ☐ • d ☐ • e ☐
Cleared for non-food use: • yes ☒ • no ☐

4c. Physical state of product: *Liquid*

- 4d. The chemical IDs, analytical information (including that for the TGAIs), density, pH, and flammability are consistent with that given in GRN 61, 62, and 63-7, 63-12, and 63-15, respectively. • yes ☐ • no ☐

- 4e. Density (or bulk density for solids): at °C. *8.33 lbs/gal*
- 4f. pH (if dissolved or dispersed in water): *5.3-7.0*
- 4g. Flash point and/or flame extension: *N/A*
- 4h. NCs and CLs are acceptable: • ☐ • not acceptable ☐
- 4i. Active ingredient(s) NC. LCL UCL
- A. *3-(Trimethoxysilyl) propyl dimethyl*
- B. *Octadecyl ammonium chloride*
- C.
- D.
- 4j. For products produced by an integrated formulation system:
- All impurities of toxicological significance have an UCL: • yes ☐ • no ☐ • not applicable ☒
 - All impurities $\geq 0.1\%$ in the product have been identified: • yes ☐ • no ☐ • not applicable ☒

5. PRODUCT LABEL

- 5a. The active ingredients statement (chemical IDs and NCs) is consistent with the CSF: • yes ☐ • no ☒
- 5b. The formulation contains one of the following:
- 10% or more of a petroleum distillate: • yes ☐ • no ☒
 - 1% or more of methyl alcohol: • yes ☐ • no ☒
 - sodium nitrite at any level: • yes ☐ • no ☒
 - a toxic List 1 inert at any level: • yes ☐ • no ☒
 - arsenic in any form: • yes ☐ • no ☒
- 5c. If yes to any of the above, does the inert ingredients statement contains a footnote indicating this? • yes ☐ • no ☐ • not applicable ☒
- 5d. The appropriate warning statement regarding flammability or explosive characteristics of the product are given on the label: • yes ☒ • no ☐ • not applicable ☐

- 5e. 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 81-1 for all other uses: • yes [] • no []
- 6f. Does the product require an expiration date at which time the NC falls below the LCL (based on the one year storage stability data or other information):
 • yes [✓] • no []

6. PRODUCT CHEMISTRY (GRN 61, 62, 63)

<u>6a. Chemical IDs/Manufacture/Analytical Information</u>	<u>Accept of Information</u>	<u>MRID No.</u>
61-1 Chemical ID (see Appendix) ¹		
61-2a Manufacturing Process ²	A	
61-2b Formulation Method ³		
61-3 Discussion of Impurities ⁴	A	
62-1 Analysis ⁵	A	
62-2 Certified Limits ⁶		
62-3 Analytical Method for AIs ⁷	A	

6b. <u>Physical/Chemical Properties</u>	<u>Accept of Data</u>	<u>Value or qualitat descrip</u>	<u>MRID No.</u>
63-3 Physical State		Liquid	
63-7 Density/Bulk Density (g/cc)		1.0 at 77°F	
63-12 pH of product ⁹		5.3-7.0	
63-14 Oxid/Red Action		N/A	
67-15a Flash Point(°C) ¹⁰		N/A	
63-15b Flame Extension		N/A	
63-16 Explodability		N/A	
63-17 Storage Stability (% degradation of AIs at 20-30 C for ≥ 1 year)		Stable	
63-18 Viscosity		Approximate	
63-19 Miscibility (with hydrocarbon solvents) ¹¹			
63-20 Corrosivity (specify metals/conditions)		NONE	
63-21 Dielectric Breakdown Voltage ¹²		N/A	

Explanations: A = Acceptable; N = not acceptable; NA = technically not applicable; G = data gap; U = requires upgrading; W = waived; E = EPA estimate.

Footnotes: ¹ See Confidential appendix A for additional information; ² For MP/EP products produced by an integrated formulation system; ³ For products produced from a TGA or MP; ⁴ May be waived unless actual/possible impurities are of tox concern; ⁵ Five batch analysis required for products produced by an integrated formulation system; ⁶ If different from standard CLs recommended in 40 CFR 158.175, this should be discussed in Confidential Appendix A; ⁷ Abbreviate method used as follows: gas chromatography (GC), infrared (IR), ultraviolet absorption (UV), nuclear magnetic resonance (NMR), etc. ⁸ Provide brief description, e.g., color - yellow or property value, e.g. density 1.25 g/cc. Unless otherwise indicated, the property should be at 25 C; ⁹ If product is a water solution or dispersion; ¹⁰ Not required for aerosols; ¹¹ Emulsifiable liquids only; ¹² For end-use products used near electrical equipment.

Attachment: Confidential Appendix A (page 3).

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

E7505W:RD:RSB:PCRS:CS-

1:XXXXX:Reviewer's Name:Typist Initials:XX/XX/94:703-108-XXXX:Code (Reg or Reg. No.)

<PCF080>