DATE OUT: September 29, 1995

SUBJECT: EP [x] MP [ ] PRODUCT CHEMISTRY REVIEW
DP BARCODE No.: D216865 REG./File Symbol No.: 100-TIA
PRODUCT NAME: Evik 80 WDG
COMPANY: CIBA-GEIGY CORP

TO: Edward Allen, PM Team 25
  Fungicide-Herbicide Branch/RD (7505C)
  
FROM: Alfred Smith, Chemist
  Product Chemistry Review Section
  Registration Support Branch/RD (7505W)

THRU: Harold Podall, Section Head
  Product Chemistry Review Section
  Registration Support Branch/RD (7505W)

SUMMARY OF FINDINGS:

The product chemistry information satisfies the requirements of 40 CFR 158.155 - 158.190. No additional information is needed.

The proposed labelling meets the requirements of 40 CFR 156.10 with respect to the ingredient statement and the storage and disposal statements.
1. DP BARCODE No.:D216865  2. REG./File Symbol No.:100-TIA
3. Registration [x]  4. Reregistration [ ], Rereg Case No.
5. Product Name: Evik 80 WDG
6. Pesticide Type:  Fungicide [ ]  Herbicide [x]
    Insecticide [ ]  Rodenticide [ ]  Antimicrobial [ ]
    Plant Growth Regulator [ ]  Others:
7. Uses:  Food [x]  Non food use [x]
8. Type of Submission: New [ ]  Resubmission [ ]  Amendment [ ]
    "ME-TOO" [x]  Alternate Formulation [ ]  Repack [ ]
    Experimental Use Permit [ ]  Other (Specify)
9. If "ME-TOO" Registration, this product is [x] is not [ ]
    similar or substantially similar to EPA’s Reg. No.:100-473.
    If not, comment in Confidential Appendix A on the differences
    between the registered and the new source where significant.

CONFIDENTIAL STATEMENT OF FORMULA, DATED 06/07/1995:
10. Type of formulation and the sources of active ingredients:
    a. Non-integrated formulation system..........................[x]
    b. Are all technical grade active ingredients used
       registered?  • yes [x]  • no [ ]
    c. Integrated formulation system............................[ ]
11. Composition: The nominal concentrations (NC) of the active
    ingredients and the upper and lower certified limits (UCL &
    LCL) are as follows:

<table>
<thead>
<tr>
<th>Active ingredient(s)</th>
<th>NC</th>
<th>UCL</th>
<th>LCL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ametryne</td>
<td>80.0</td>
<td>82.5</td>
<td>77.5</td>
</tr>
</tbody>
</table>
12. The calculated NCs, based on the pure active ingredients (PAI), are identical to those on the label:
   • yes [x]  • no [ ]

13. The certified limits are within the standard limits as per 40CFR§158.175 or are adequately explained if different:
   • yes [x]  • no [ ]

14. Clearance of intentionally added ingredients in the formulation for the intended use:
   a. Formulation intended for food use under 40CFR§180.1001:
      • yes [x] • no [ ]  • Some are cleared, others are not [ ]
      • Cleared under list:  c [x]  d [x]  e [ ]
   b. Formulation intended for non-food use:
      • yes [x]  • no [ ]  • Some are cleared, others are not [ ]

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

PRODUCT LABEL, EPA RECEIVED / /199 :

16. The active ingredients statement (chemical identities, nominal concentrations) is consistent with the CSF  • yes [x]  • no [ ]

17. 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]
18. If yes to any of the above, does the inert ingredients statement contains a footnote indicating this?
- yes [ ]  
- no [ ]  
- not applicable [ ]

19. The appropriate physical and chemical hazards statement regarding flammability or explosive characteristics of the product are given on the label:
- yes [ ]  
- no [ ]  
- not applicable [x]

20. 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 [ ]

**PRODUCT CHEMISTRY DATA (SERIES 61 and 62)**

<table>
<thead>
<tr>
<th>21. Chemical IDs/Manufacture/Analytical Information</th>
<th>Data Required Fulfilled</th>
<th>MRID No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>61-1 Chemical Identity</td>
<td>Y</td>
<td>43682301</td>
</tr>
<tr>
<td>61-2 Starting Materials &amp; Manufacture or Formulation Process</td>
<td>Y</td>
<td>&quot;</td>
</tr>
<tr>
<td>61-3 Discussion of Impurities</td>
<td>Y</td>
<td>&quot;</td>
</tr>
<tr>
<td>62-1 Preliminary Analysis</td>
<td>NR</td>
<td></td>
</tr>
<tr>
<td>62-2 Certified Limits</td>
<td>Y</td>
<td>43682301</td>
</tr>
<tr>
<td>62-3 Enforcement Analytical Method</td>
<td>Y</td>
<td>&quot;</td>
</tr>
</tbody>
</table>
## PRODUCT CHEMISTRY DATA (SERIES 63)

<table>
<thead>
<tr>
<th>Physical/Chemical Properties</th>
<th>Data Required Fulfilled</th>
<th>Value or Qualitative Description</th>
<th>MRID No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>63-3 Physical State</td>
<td>Y</td>
<td>Granular</td>
<td>43682301</td>
</tr>
<tr>
<td>63-7 Density/Bulk Density</td>
<td>Y</td>
<td>0.29 g/cc</td>
<td>&quot;</td>
</tr>
<tr>
<td>63-12 pH of Product</td>
<td>Y</td>
<td>9 - 11</td>
<td>&quot;</td>
</tr>
<tr>
<td>63-15a Flammability-Flash Point</td>
<td>NA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>63-15b Flame Extension</td>
<td>NA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>63-16 Explodability</td>
<td>Y</td>
<td>None</td>
<td>43682301</td>
</tr>
<tr>
<td>63-17 Storage Stability</td>
<td>NR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>63-18 Viscosity</td>
<td>NA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>63-19 Miscibility (With Hydrocarbon solvents)</td>
<td>NA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>63-20 Corrosion Characteristics</td>
<td>Y</td>
<td>None</td>
<td>43682301</td>
</tr>
<tr>
<td>63-21 Dielectric Breakdown Voltage</td>
<td>NR</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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.